

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021023\
 Data File : VN076618.D
 Acq On : 10 Feb 2023 18:45
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/13/2023
 Supervised By : Mahesh Dadoda 02/13/2023

Quant Time: Feb 11 00:59:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020923W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Feb 10 05:40:47 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	7.822	128	29016	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.104	114	198434	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.869	117	220664	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.581	65	84603	24.739	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	82.467%#		
60) 4-Bromofluorobenzene	12.851	95	130296	26.155	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	87.167%		
63) Toluene-d8	10.569	98	233170	28.778	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	95.933%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.140	85	73548	18.313	ug/l	95
3) Chloromethane	2.375	50	56032	11.603	ug/l	97
4) Vinyl Chloride	2.528	62	49264	11.684	ug/l	99
5) Bromomethane	2.963	94	22341	10.554	ug/l	90
6) Chloroethane	3.122	64	27337	11.324	ug/l	91
7) Trichlorofluoromethane	3.510	101	119507	16.692	ug/l	86
8) Diethyl Ether	3.981	74	41005	18.057	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.393	101	63288	18.363	ug/l	85
10) 1,1-Dichloroethene	4.352	96	59007	18.219	ug/l	87
11) Methyl Iodide	4.604	142	81117	17.239	ug/l	97
12) Methyl Acetate	5.040	43	114071	16.784	ug/l	94
13) Acrolein	4.193	56	67721	77.794	ug/l	97
14) Acrylonitrile	5.734	53	175597	88.187	ug/l	97
15) Acetone	4.440	58	46256	80.455	ug/l	75
16) Carbon Disulfide	4.728	76	165653	18.611	ug/l	98
17) Allyl chloride	5.034	41	109593m	17.553	ug/l	
18) Methylene Chloride	5.287	84	72506	18.919	ug/l #	89
19) trans-1,2-Dichloroethene	5.798	96	63347	19.040	ug/l	94
20) Diisopropyl ether	6.681	45	230773	16.192	ug/l	94
21) 1,1-Dichloroethane	6.581	63	128525	16.537	ug/l	98
22) cis-1,2-Dichloroethene	7.492	96	74330	18.645	ug/l	96
23) tert-Butyl Alcohol	5.534	59	55516	83.087	ug/l #	100
24) Methyl tert-Butyl Ether	5.816	73	214930	18.427	ug/l	98
25) Chloroform	7.975	83	131600	17.112	ug/l	96
26) Cyclohexane	8.269	56	111186	16.122	ug/l #	99
29) 1,1-Dichloropropene	8.381	75	94844	18.465	ug/l	97
30) 2-Butanone	7.492	43	242794	87.573	ug/l	100
31) 2,2-Dichloropropane	7.498	77	91155	17.093	ug/l	99
32) 1,1,1-Trichloroethane	8.175	97	114802	18.015	ug/l	96
33) Carbon Tetrachloride	8.369	117	101255	18.418	ug/l	96
34) Benzene	8.616	78	289712m	18.357	ug/l	
35) Methacrylonitrile	7.787	41	58696	18.413	ug/l	88
36) 1,2-Dichloroethane	8.675	62	107332	17.735	ug/l	96
37) Trichloroethene	9.357	130	66991	20.732	ug/l	88
38) Methylcyclohexane	9.604	83	111643	19.638	ug/l	96
39) 1,2-Dichloropropane	9.628	63	77089	20.468	ug/l #	88
40) Dibromomethane	9.716	93	49459	19.962	ug/l	93
41) Bromodichloromethane	9.892	83	100888	19.366	ug/l #	88
42) Vinyl Acetate	6.616	43	766559m	85.003	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.575	43	104127	18.419	ug/l	100
44) Isopropyl Acetate	8.698	43	160703	17.281	ug/l	98
45) 1,4-Dioxane	9.698	88	30288	399.543	ug/l	94
46) Methyl methacrylate	9.686	41	79660	17.767	ug/l	87
47) n-amyl Acetate	12.498	43	137880	17.443	ug/l #	88
48) t-1,3-Dichloropropene	10.839	75	97586	18.608	ug/l	95
49) cis-1,3-Dichloropropene	10.316	75	110132	18.998	ug/l	95
50) 1,1,2-Trichloroethane	11.016	97	69267	20.585	ug/l	96
51) Ethyl methacrylate	10.881	69	103999	19.464	ug/l	95
52) 1,3-Dichloropropane	11.169	76	123620	19.708	ug/l	98
53) Dibromochloromethane	11.363	129	74503	21.308	ug/l	96
54) 1,2-Dibromoethane	11.469	107	68631	20.156	ug/l	99
55) 2-Chloroethyl vinyl ether	10.163	63	236671	96.975	ug/l	98
56) Bromoform	12.580	173	46497	20.648	ug/l	98
58) 4-Methyl-2-Pentanone	10.451	43	520314	84.349	ug/l	99
59) 2-Hexanone	11.198	43	382627	85.311	ug/l	97
61) Tetrachloroethene	11.110	164	54939	19.477	ug/l	91
62) Toluene	10.633	91	305897	18.698	ug/l	100
64) Chlorobenzene	11.898	112	182418	19.248	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.963	131	68064	18.944	ug/l	98
66) Ethyl Benzene	11.969	91	330735	18.440	ug/l	99
67) m/p-Xylenes	12.075	106	256454	38.110	ug/l	96
68) o-Xylene	12.404	106	129090	19.472	ug/l	98
69) Styrene	12.416	104	208790	19.841	ug/l	95
70) Isopropylbenzene	12.698	105	328201	18.473	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.945	83	107346	17.330	ug/l	98
72) 1,2,3-Trichloropropane	12.992	75	103403m	18.278	ug/l	
73) Bromobenzene	12.980	156	73868	17.522	ug/l	94
74) n-propylbenzene	13.039	91	387054	16.986	ug/l	99
75) 2-Chlorotoluene	13.127	91	238592	16.646	ug/l	97
76) 1,3,5-Trimethylbenzene	13.174	105	284944	17.175	ug/l	98
77) t-1,4-Dichloro-2-butene	12.745	75	28324	16.599	ug/l	80
78) 4-Chlorotoluene	13.222	91	234032	16.238	ug/l	96
79) tert-butylbenzene	13.445	119	247291	17.561	ug/l	95
80) 1,2,4-Trimethylbenzene	13.486	105	283683	17.339	ug/l	95
81) sec-Butylbenzene	13.622	105	343536	17.422	ug/l	100
82) p-Isopropyltoluene	13.733	119	279056	17.613	ug/l	97
83) 1,3-Dichlorobenzene	13.739	146	134818	17.290	ug/l	95
84) 1,4-Dichlorobenzene	13.816	146	137197	17.636	ug/l	98
85) n-Butylbenzene	14.057	91	223480	15.190	ug/l	97
86) Hexachloroethane	14.339	117	49497	16.090	ug/l	90
87) 1,2-Dichlorobenzene	14.110	146	139493	16.297	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.721	75	22966	18.190	ug/l	86
89) 1,2,4-Trichlorobenzene	15.398	180	69715	19.529	ug/l	99
90) Hexachlorobutadiene	15.504	225	33970	19.698	ug/l	97
91) Naphthalene	15.645	128	237516	19.501	ug/l	99
92) 1,2,3-Trichlorobenzene	15.839	180	71060	19.944	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

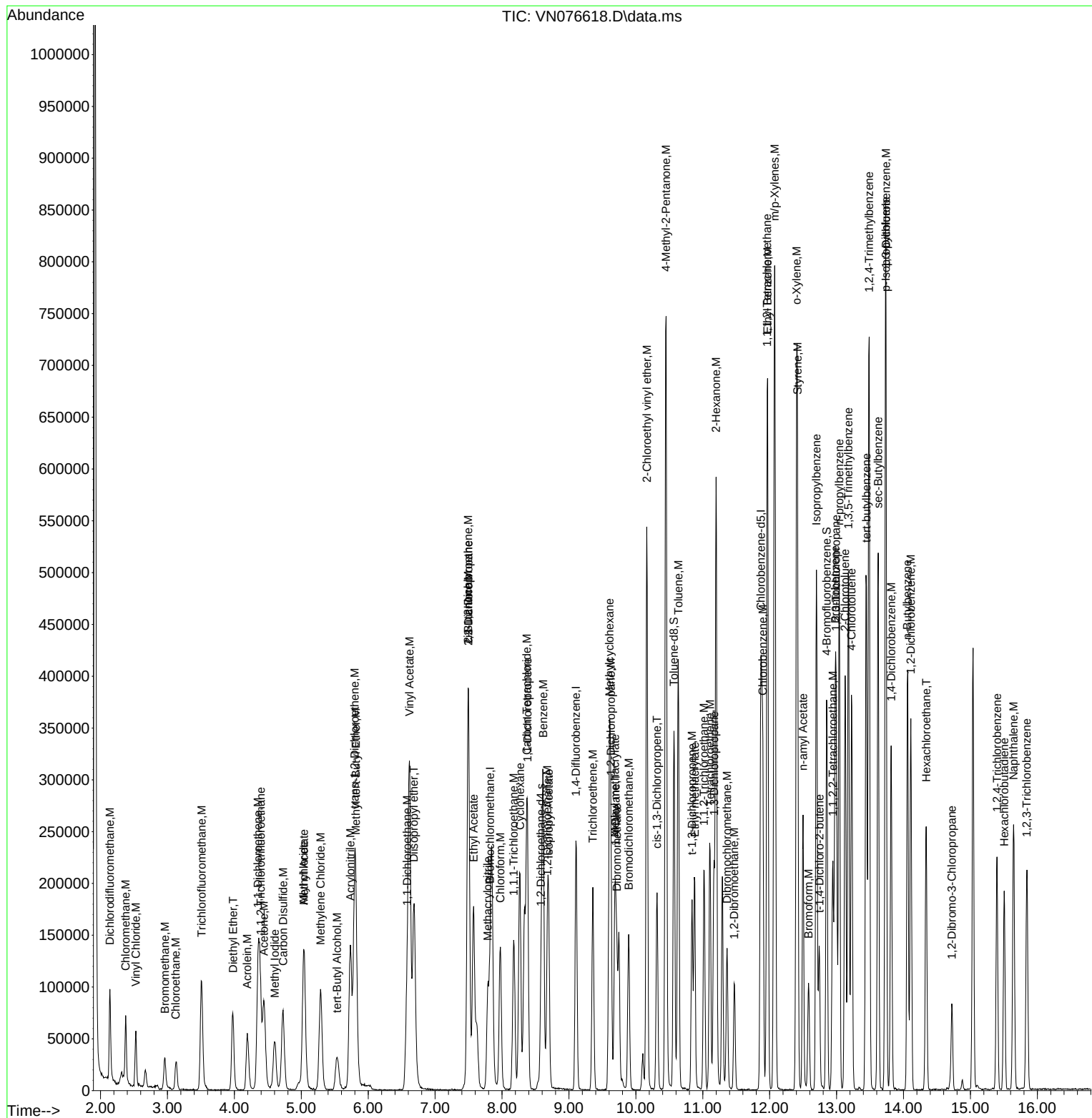
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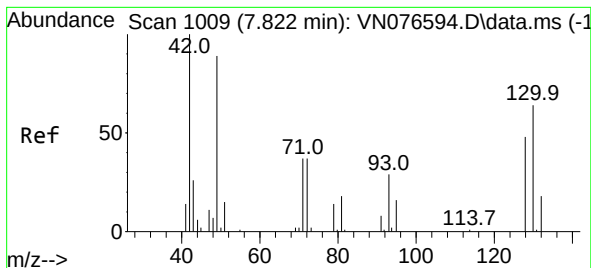
Instrument :
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ClientSampleId :
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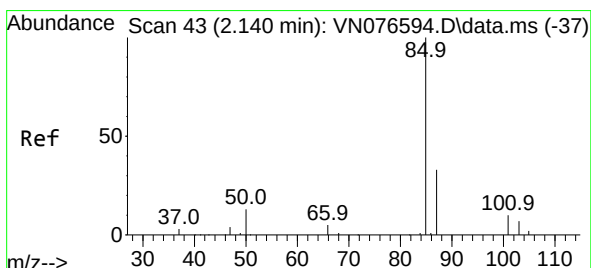
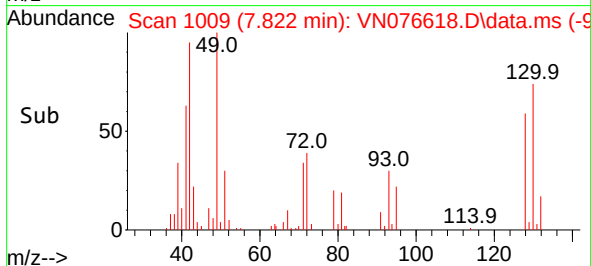
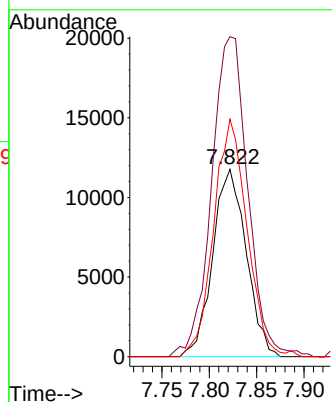
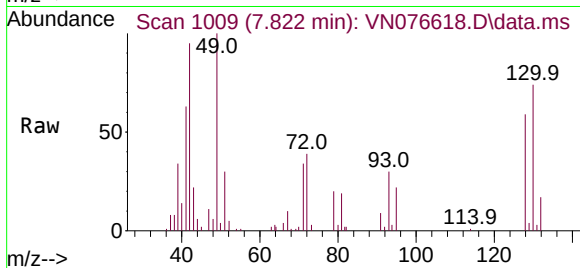
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.822 min Scan# 1009
Delta R.T. -0.008 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:128 Resp: 29010
Ion Ratio Lower Upper
128 100
49 183.5 0.0 492.0
130 125.7 0.0 313.3

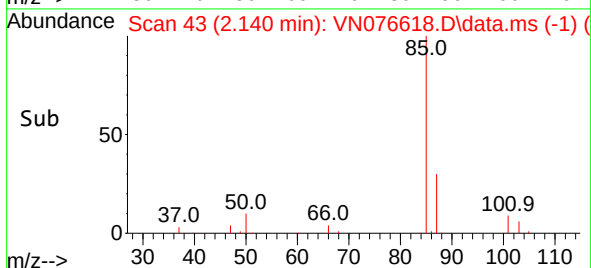
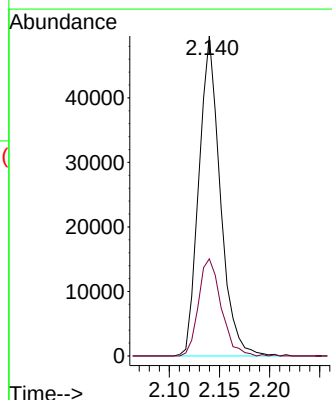
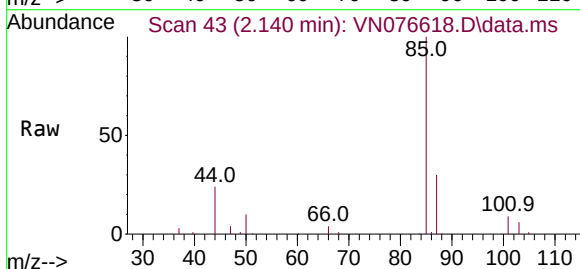
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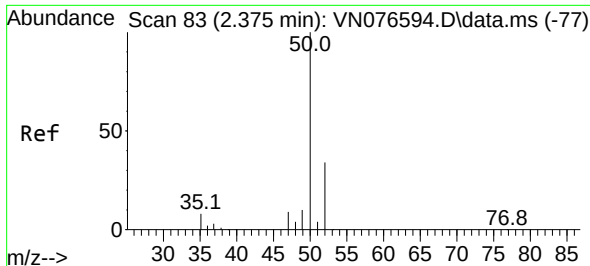
Reviewed By :John Carlone 02/13/2023
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#2
Dichlorodifluoromethane
Concen: 18.313 ug/l
RT: 2.140 min Scan# 43
Delta R.T. -0.008 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

Tgt Ion: 85 Resp: 73548
Ion Ratio Lower Upper
85 100
87 30.3 16.7 50.1





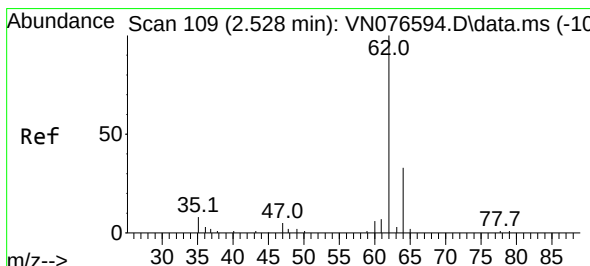
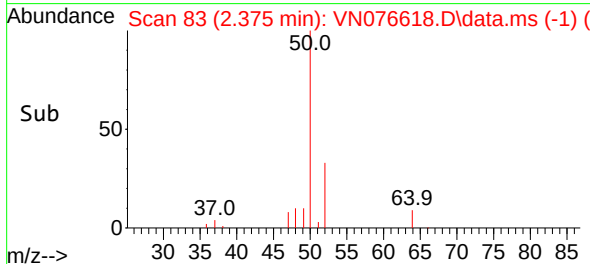
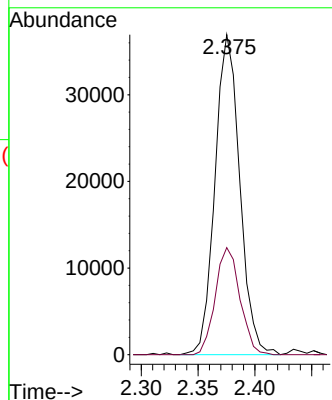
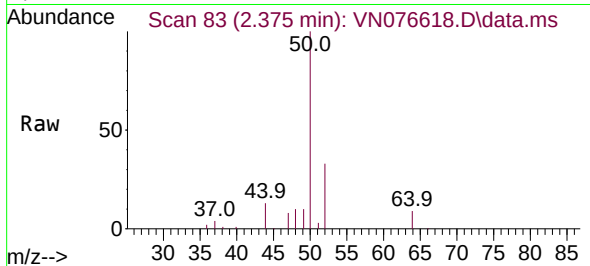
#3
Chloromethane
Concen: 11.603 ug/l
RT: 2.375 min Scan# 81
Delta R.T. -0.008 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

Instrument :
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ClientSampleId :
VSTDCCC020EC

Tgt Ion: 50 Resp: 5603
Ion Ratio Lower Upper
50 100
52 33.5 25.5 38.3

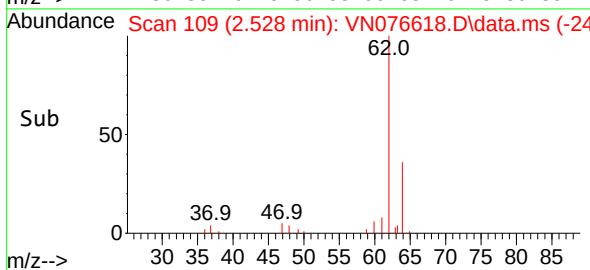
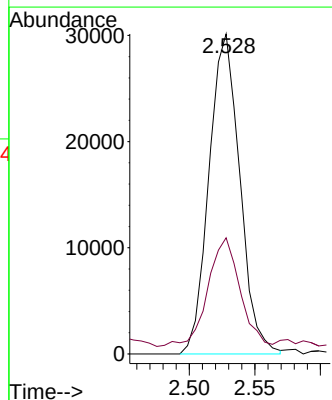
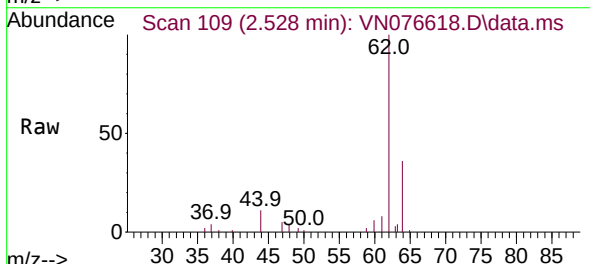
Manual Integrations
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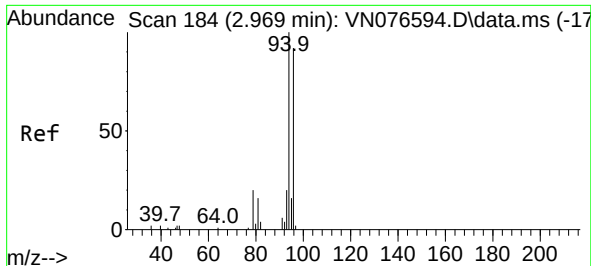
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#4
Vinyl Chloride
Concen: 11.684 ug/l
RT: 2.528 min Scan# 109
Delta R.T. -0.002 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

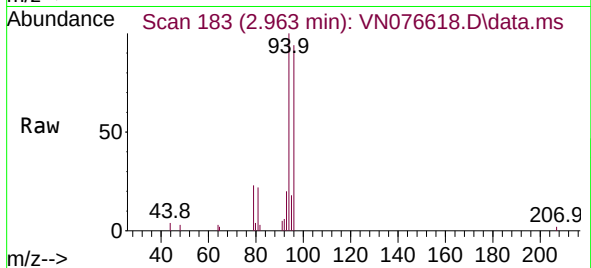
Tgt Ion: 62 Resp: 49264
Ion Ratio Lower Upper
62 100
64 32.8 25.6 38.4





#5
Bromomethane
Concen: 10.554 ug/l
RT: 2.963 min Scan# 11
Delta R.T. 0.015 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

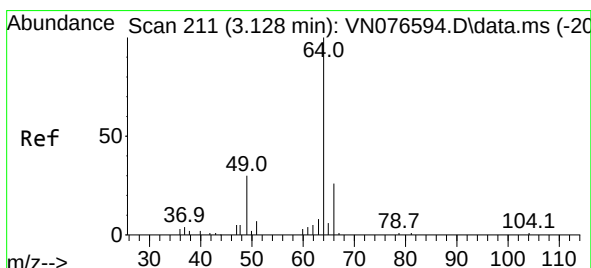
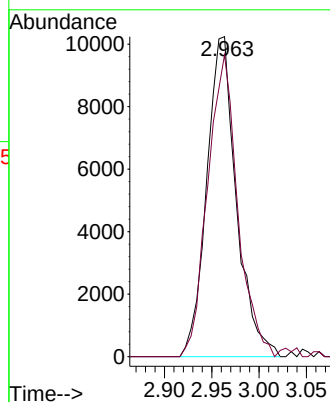
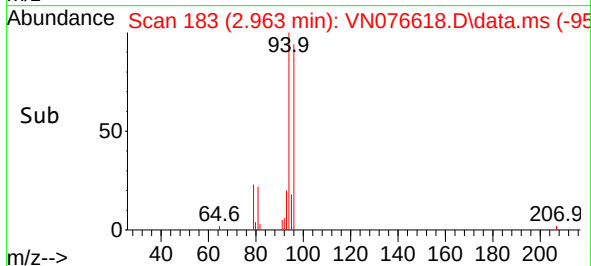
Instrument :
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ClientSampleId :
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Tgt Ion: 94 Resp: 2234
Ion Ratio Lower Upper
94 100
96 94.3 68.3 102.5

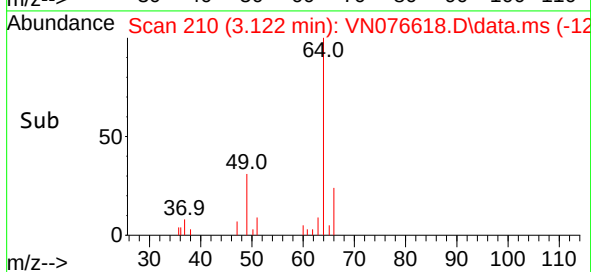
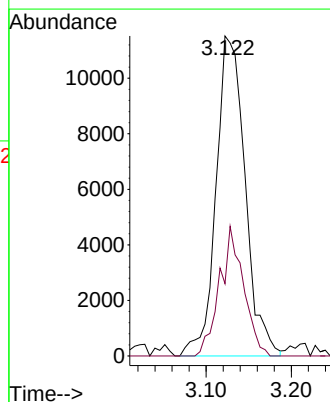
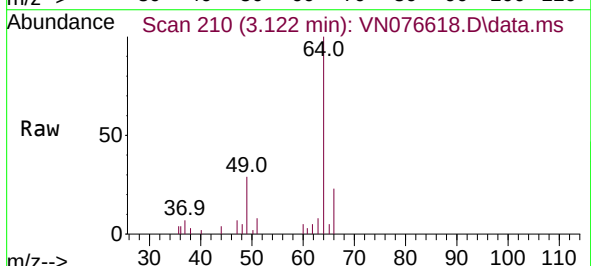
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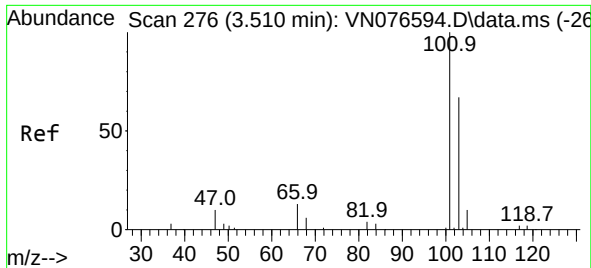
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#6
Chloroethane
Concen: 11.324 ug/l
RT: 3.122 min Scan# 210
Delta R.T. -0.002 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

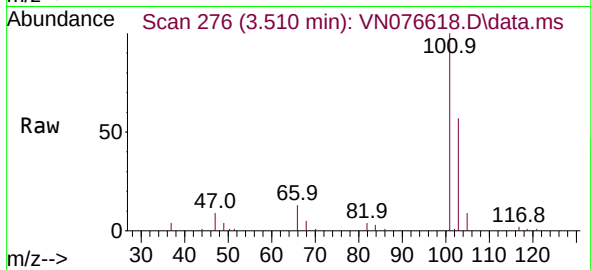
Tgt Ion: 64 Resp: 27337
Ion Ratio Lower Upper
64 100
66 22.6 21.8 32.8





#7
Trichlorofluoromethane
Concen: 16.692 ug/l
RT: 3.510 min Scan# 21
Delta R.T. 0.004 min
Lab File: VN076618.D
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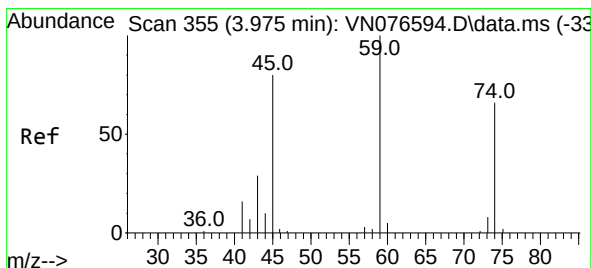
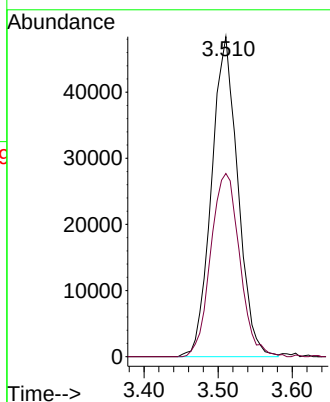
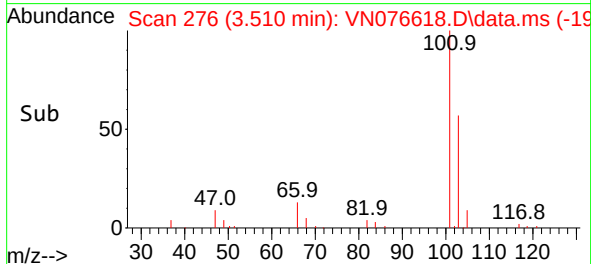
Instrument :
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Tgt Ion:101 Resp: 11950
Ion Ratio Lower Upper
101 100
103 57.2 54.8 82.2

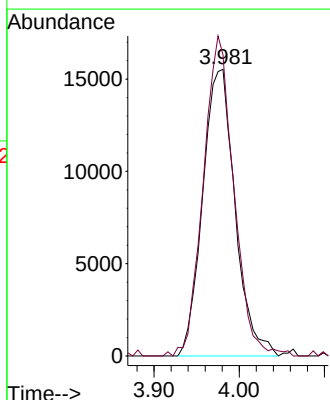
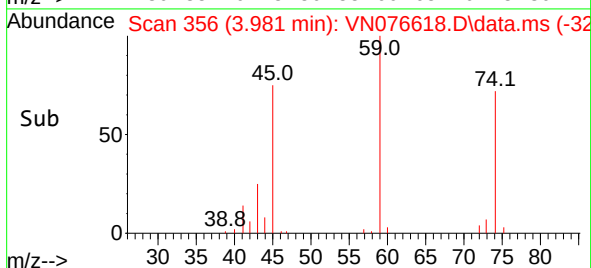
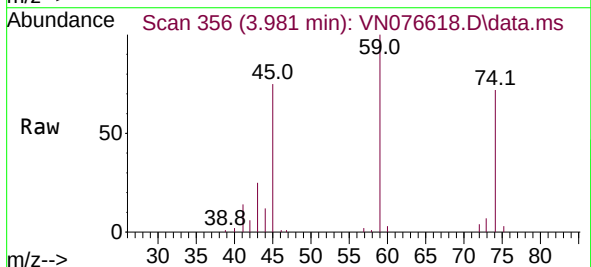
Manual Integrations
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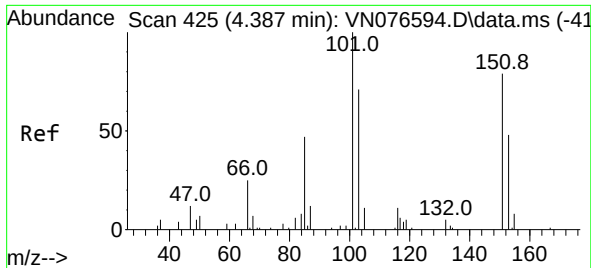
Reviewed By :John Carlone 02/13/2023
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#8
Diethyl Ether
Concen: 18.057 ug/l
RT: 3.981 min Scan# 356
Delta R.T. -0.008 min
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Tgt Ion: 74 Resp: 41005
Ion Ratio Lower Upper
74 100
45 104.0 19.0 171.0





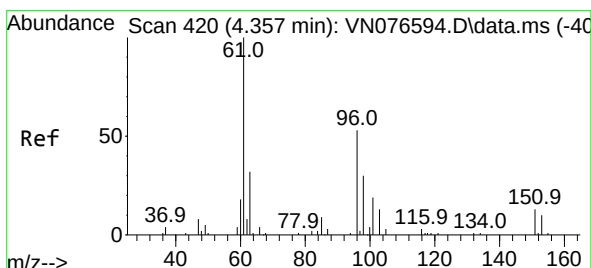
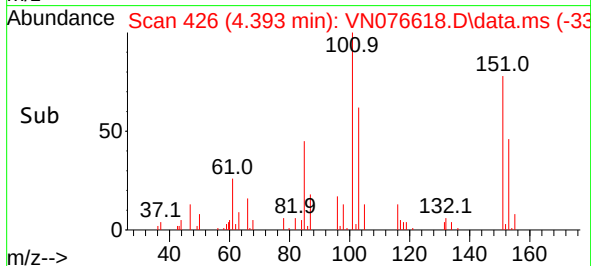
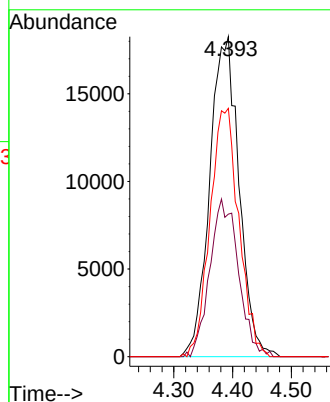
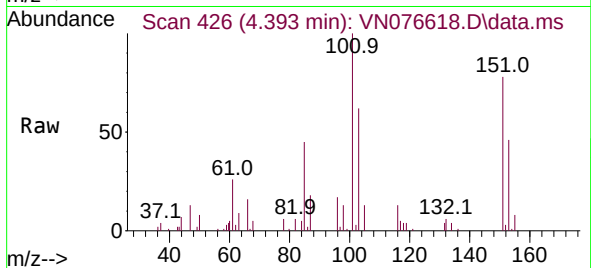
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.363 ug/l
RT: 4.393 min Scan# 419
Delta R.T. 0.010 min
Lab File: VN076618.D
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Tgt Ion:101 Resp: 6328
Ion Ratio Lower Upper
101 100
85 26.7 0.0 94.6
151 76.2 0.0 144.8

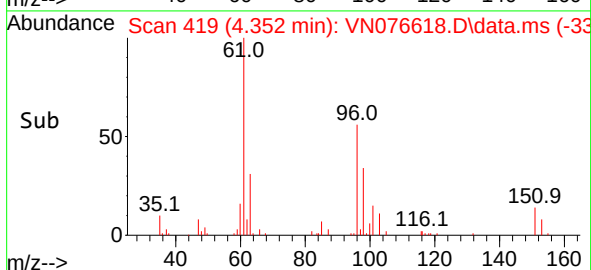
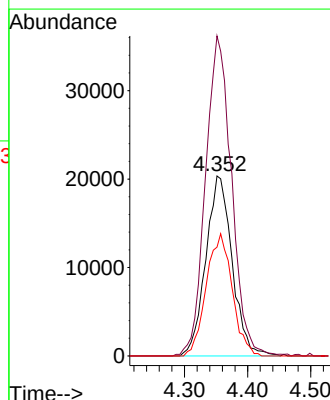
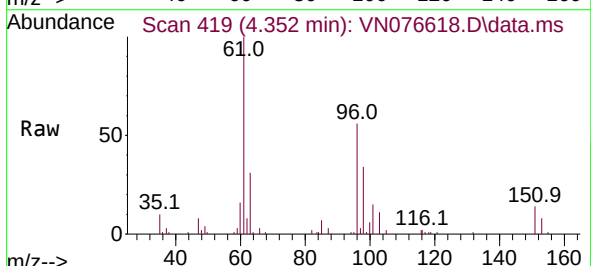
Manual Integrations
APPROVED

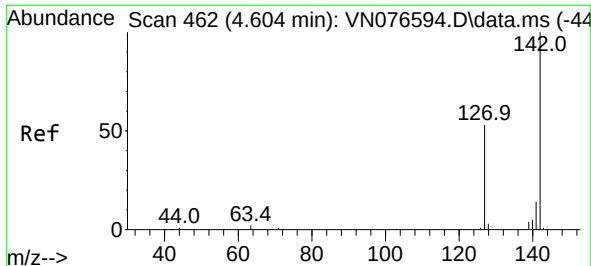
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#10
1,1-Dichloroethene
Concen: 18.219 ug/l
RT: 4.352 min Scan# 419
Delta R.T. -0.007 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

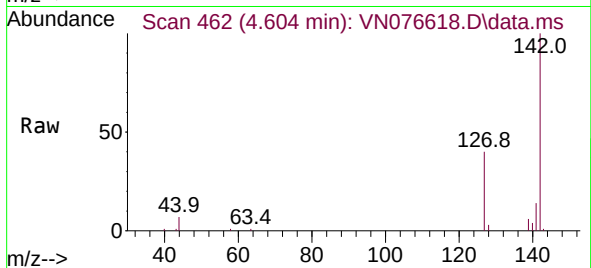
Tgt Ion: 96 Resp: 59007
Ion Ratio Lower Upper
96 100
61 176.8 125.5 188.3
98 60.4 45.0 67.4





#11
Methyl Iodide
Concen: 17.239 ug/l
RT: 4.604 min Scan# 462
Delta R.T. -0.008 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

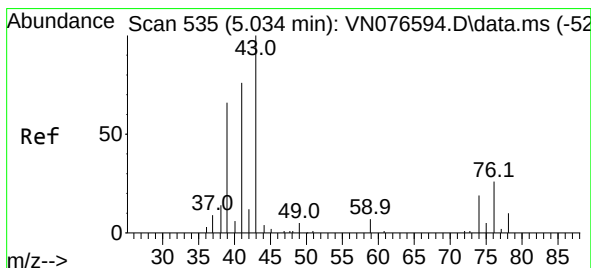
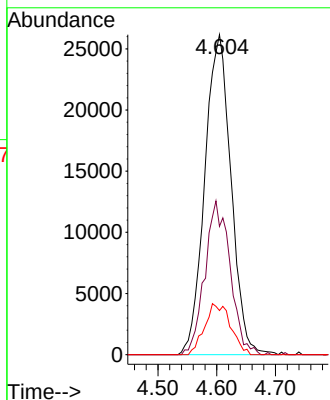
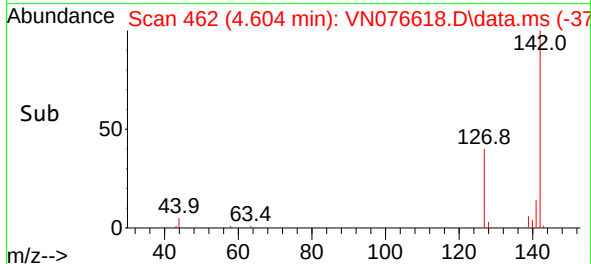
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:142 Resp: 81117
Ion Ratio Lower Upper
142 100
127 40.1 19.3 57.8
141 13.8 7.7 23.1

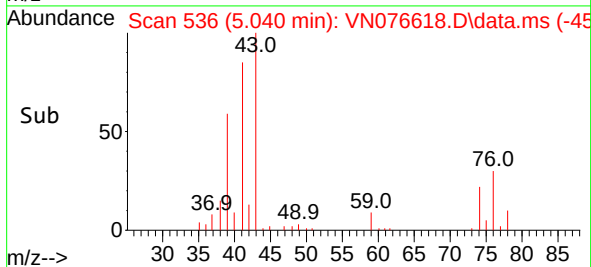
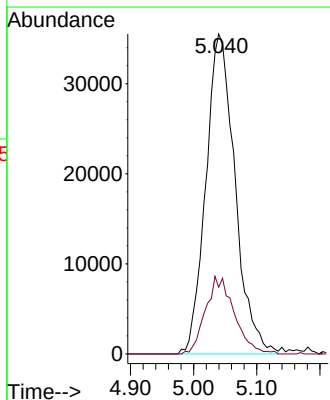
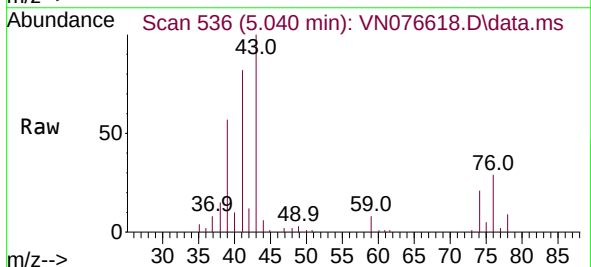
Manual Integrations
APPROVED

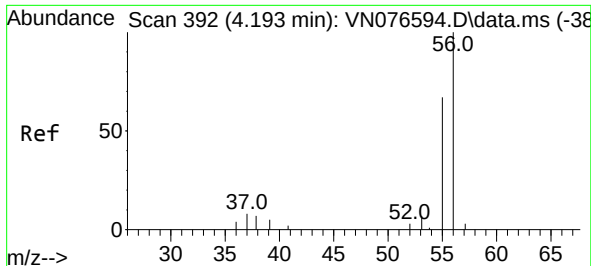
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#12
Methyl Acetate
Concen: 16.784 ug/l
RT: 5.040 min Scan# 536
Delta R.T. -0.008 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

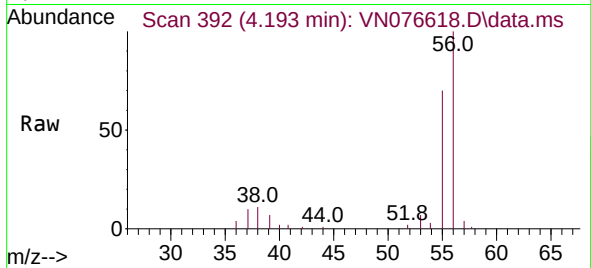
Tgt Ion: 43 Resp: 114071
Ion Ratio Lower Upper
43 100
74 20.9 19.0 28.6





#13
Acrolein
Concen: 77.794 ug/l
RT: 4.193 min Scan# 392
Delta R.T. -0.013 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

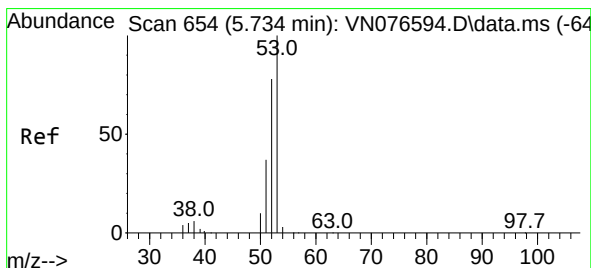
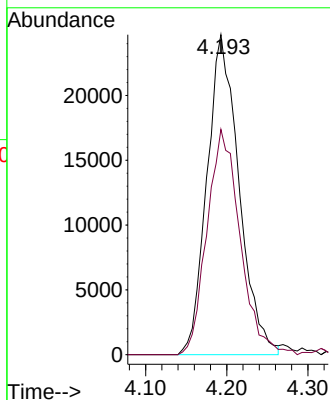
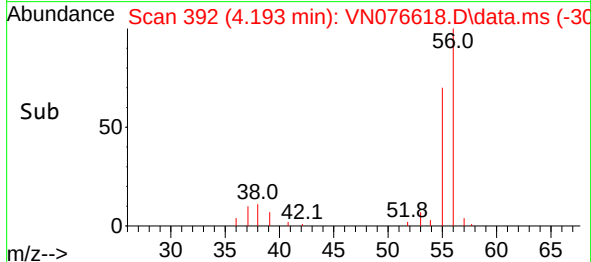
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



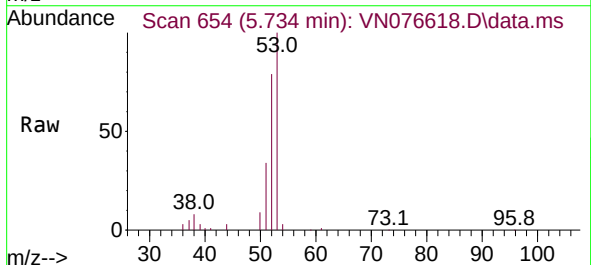
Tgt Ion: 56 Resp: 6772
Ion Ratio Lower Upper
56 100
55 72.7 56.2 84.2

Manual Integrations
APPROVED

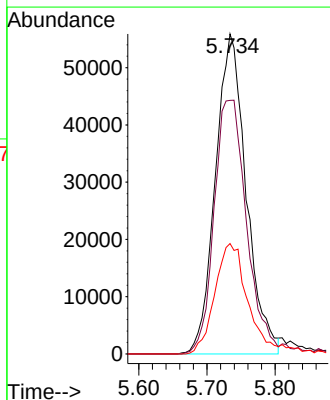
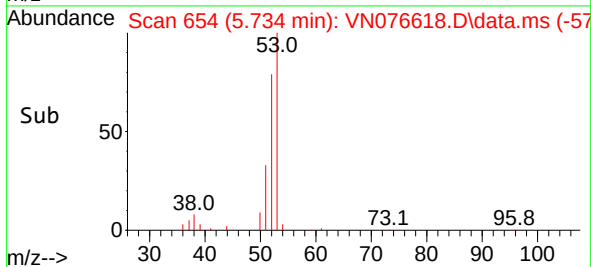
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023

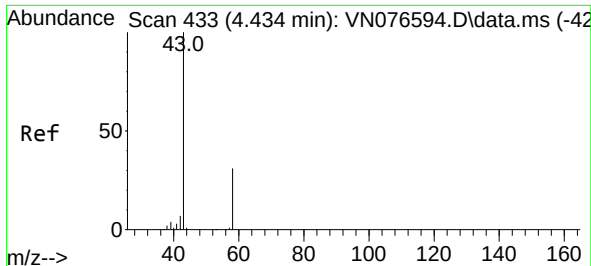


#14
Acrylonitrile
Concen: 88.187 ug/l
RT: 5.734 min Scan# 654
Delta R.T. -0.008 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45



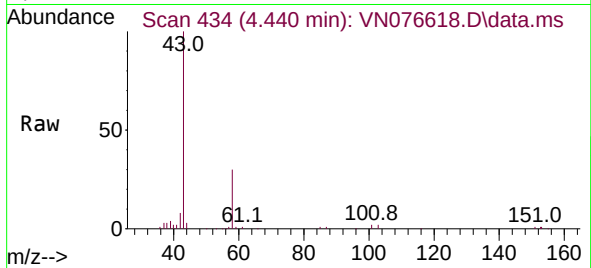
Tgt Ion: 53 Resp: 175597
Ion Ratio Lower Upper
53 100
52 83.4 40.8 122.4
51 36.4 17.0 51.0





#15
Acetone
Concen: 80.455 ug/l
RT: 4.440 min Scan# 41
Delta R.T. -0.013 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

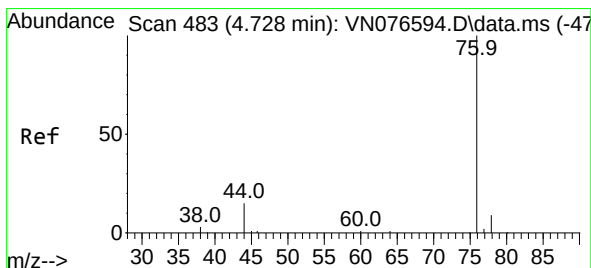
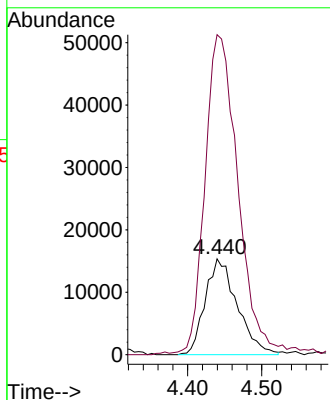
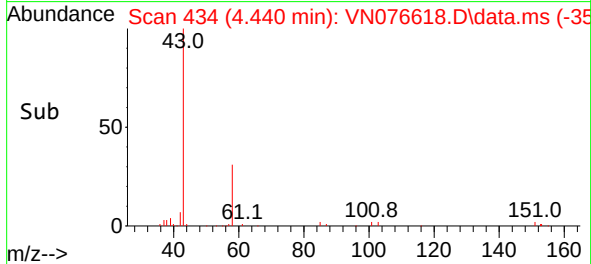
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 58 Resp: 46250
Ion Ratio Lower Upper
58 100
43 338.1 232.2 348.4

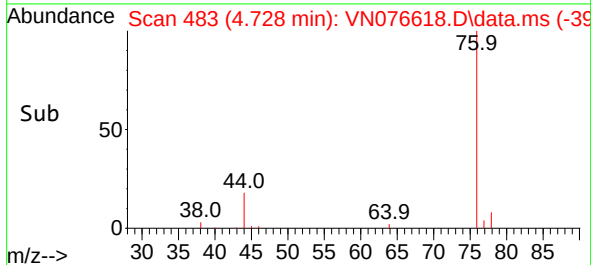
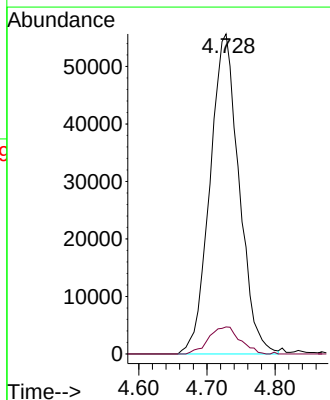
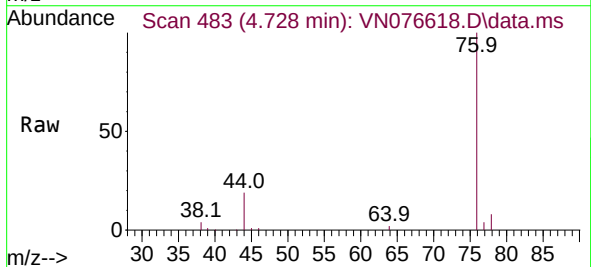
Manual Integrations
APPROVED

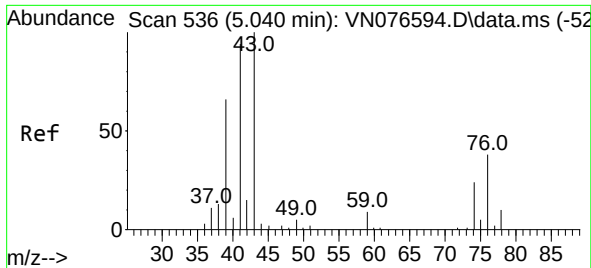
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#16
Carbon Disulfide
Concen: 18.611 ug/l
RT: 4.728 min Scan# 483
Delta R.T. -0.008 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

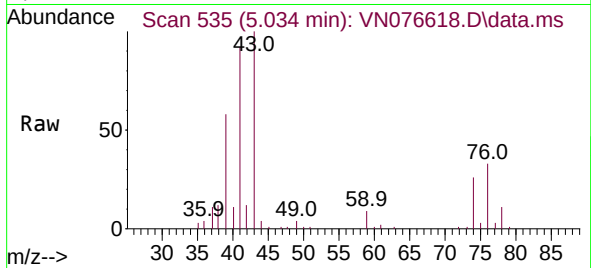
Tgt Ion: 76 Resp: 165653
Ion Ratio Lower Upper
76 100
78 8.4 7.2 10.8





#17
 Allyl chloride
 Concen: 17.553 ug/l m
 RT: 5.034 min Scan# 51
 Delta R.T. -0.008 min
 Lab File: VN076618.D
 Acq: 10 Feb 2023 18:45

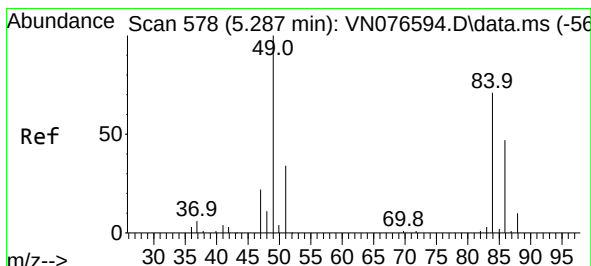
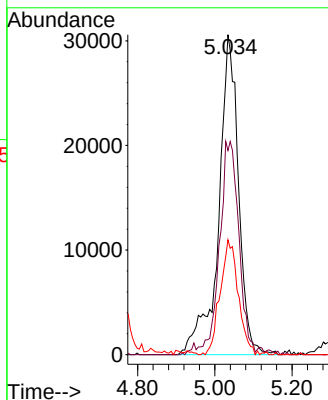
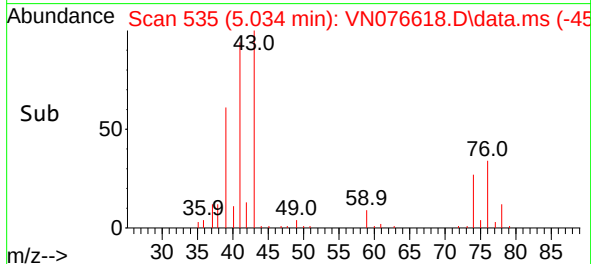
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



Tgt Ion: 41 Resp: 10959
 Ion Ratio Lower Upper
 41 100
 39 63.8 39.1 117.5
 76 35.9 19.8 59.4

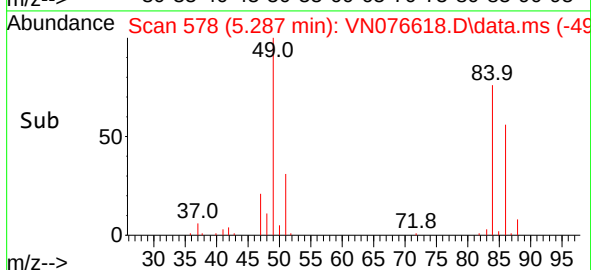
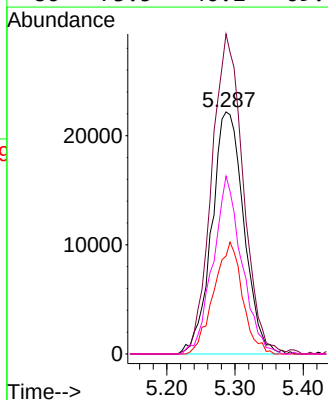
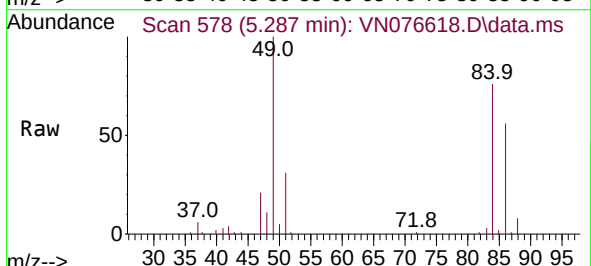
Manual Integrations
 APPROVED

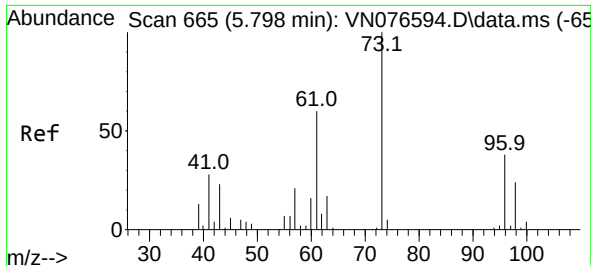
Reviewed By :John Carlone 02/13/2023
 Supervised By :Mahesh Dadoda 02/13/2023



#18
 Methylene Chloride
 Concen: 18.919 ug/l
 RT: 5.287 min Scan# 578
 Delta R.T. -0.013 min
 Lab File: VN076618.D
 Acq: 10 Feb 2023 18:45

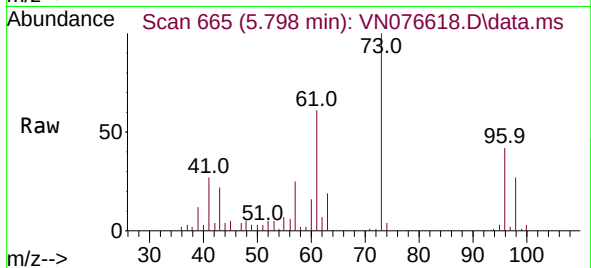
Tgt Ion: 84 Resp: 72506
 Ion Ratio Lower Upper
 84 100
 49 132.2 99.6 149.4
 51 40.5 28.2 42.2
 86 73.5 46.2 69.4#





#19
trans-1,2-Dichloroethene
Concen: 19.040 ug/l
RT: 5.798 min Scan# 665
Delta R.T. -0.014 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

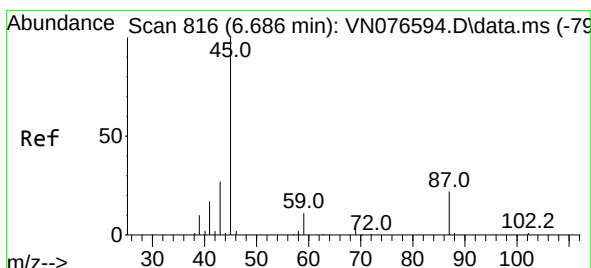
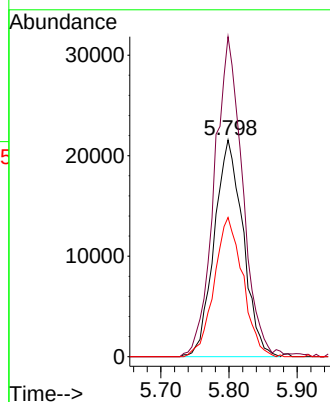
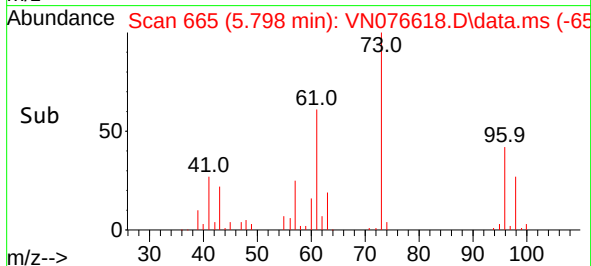
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 96 Resp: 6334
Ion Ratio Lower Upper
96 100
61 147.6 110.2 165.4
98 64.2 50.0 75.0

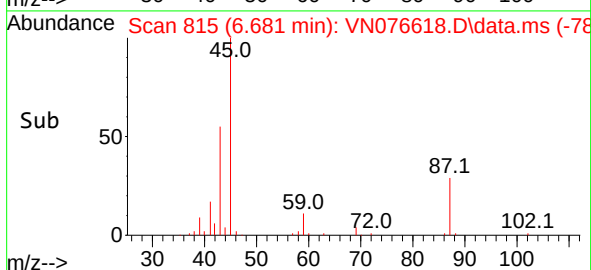
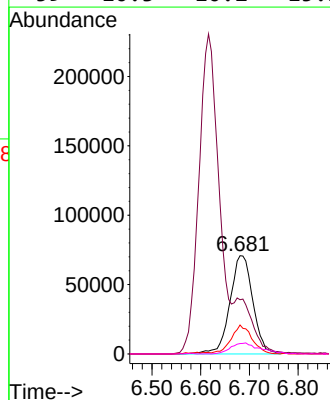
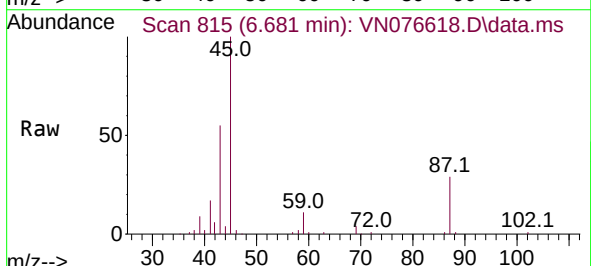
Manual Integrations
APPROVED

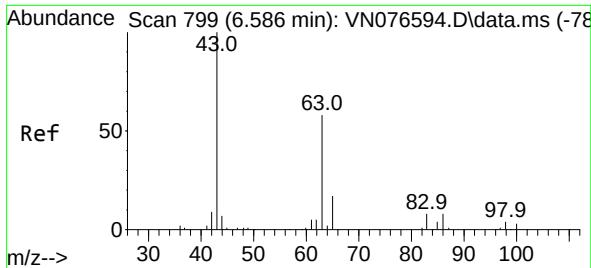
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#20
Diisopropyl ether
Concen: 16.192 ug/l
RT: 6.681 min Scan# 815
Delta R.T. -0.013 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

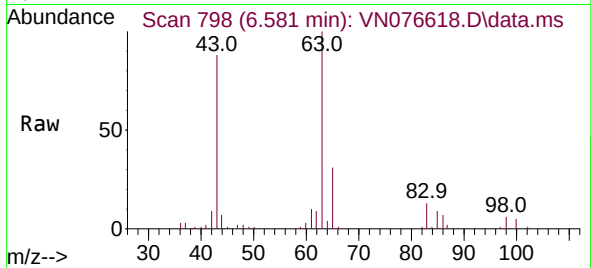
Tgt Ion: 45 Resp: 230773
Ion Ratio Lower Upper
45 100
43 53.6 47.3 70.9
87 29.4 21.8 32.8
59 10.3 10.2 15.2





#21
1,1-Dichloroethane
Concen: 16.537 ug/l
RT: 6.581 min Scan# 799
Delta R.T. -0.002 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

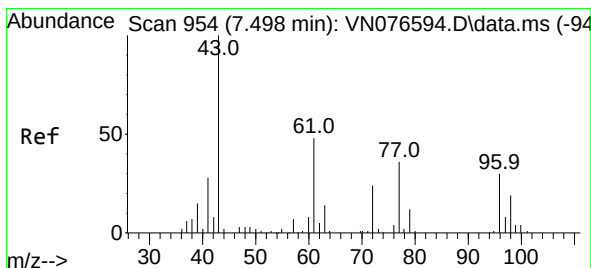
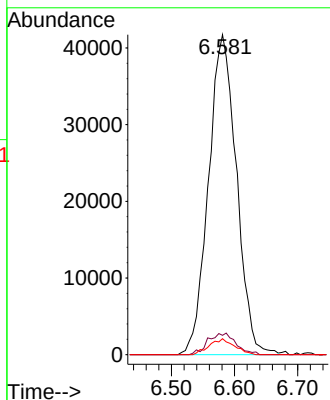
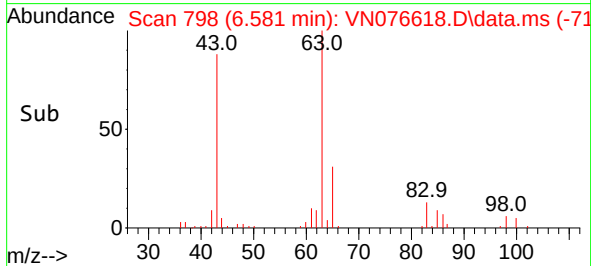
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



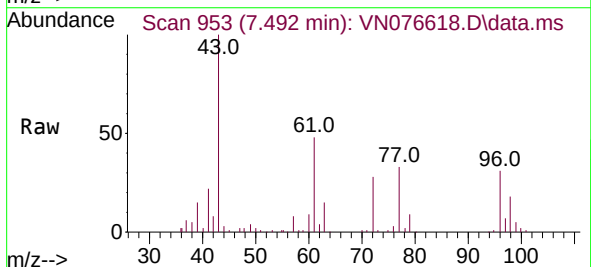
Tgt Ion: 63 Resp: 12852
Ion Ratio Lower Upper
63 100
98 6.0 3.3 9.9
100 5.0 2.2 6.6

Manual Integrations
APPROVED

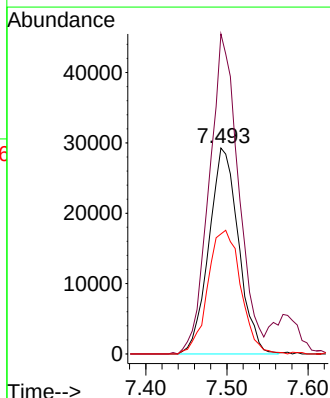
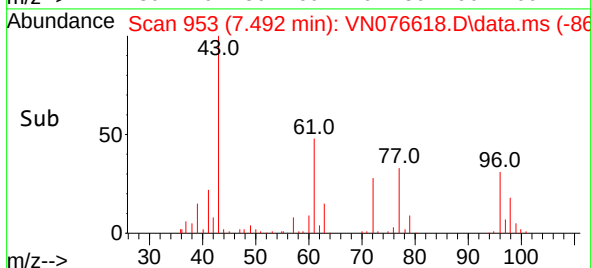
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023

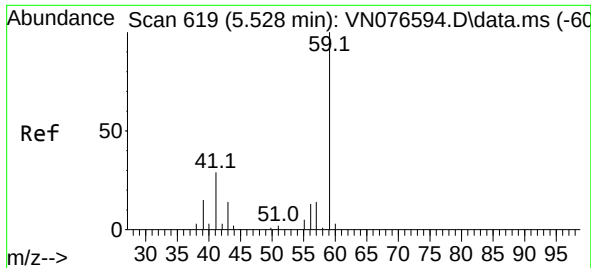


#22
cis-1,2-Dichloroethene
Concen: 18.645 ug/l
RT: 7.492 min Scan# 953
Delta R.T. -0.008 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45



Tgt Ion: 96 Resp: 74330
Ion Ratio Lower Upper
96 100
61 153.9 118.8 178.2
98 66.6 52.1 78.1





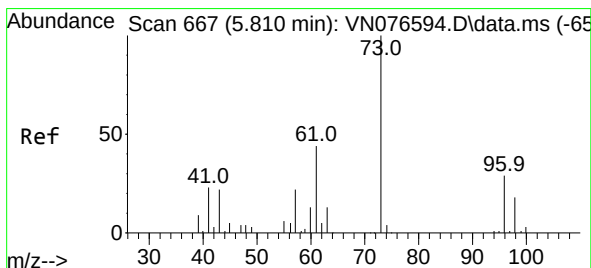
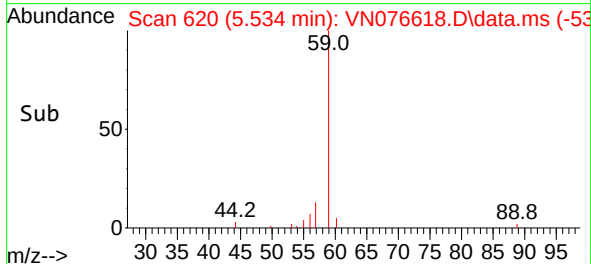
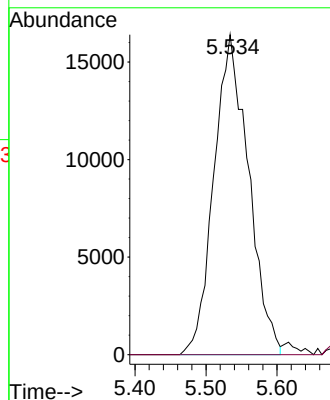
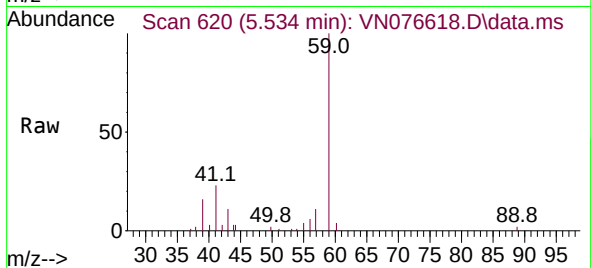
#23
tert-Butyl Alcohol
Concen: 83.087 ug/l
RT: 5.534 min Scan# 619
Delta R.T. -0.025 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 59 Resp: 55510
Ion Ratio Lower Upper
59 100
52 0.0 0.2 0.4

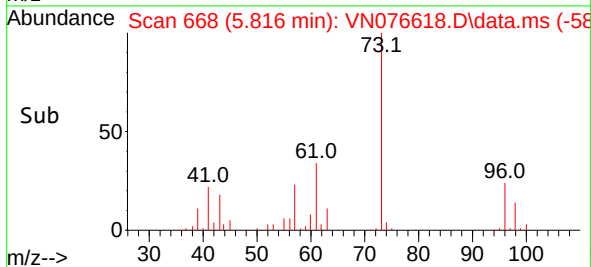
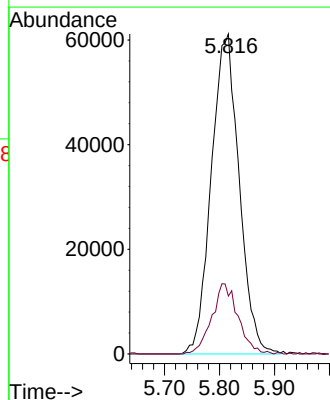
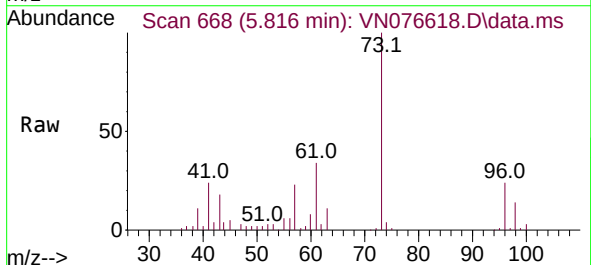
Manual Integrations
APPROVED

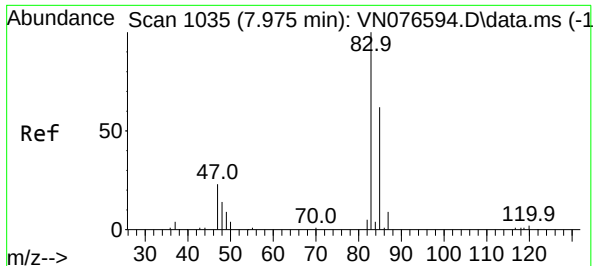
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#24
Methyl tert-Butyl Ether
Concen: 18.427 ug/l
RT: 5.816 min Scan# 668
Delta R.T. -0.002 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

Tgt Ion: 73 Resp: 214930
Ion Ratio Lower Upper
73 100
43 20.6 15.6 23.4





#25

Chloroform

Concen: 17.112 ug/l

RT: 7.975 min Scan# 1035

Delta R.T. -0.002 min

Lab File: VN076618.D

Acq: 10 Feb 2023 18:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 83 Resp: 131600

Ion Ratio Lower Upper

83 100

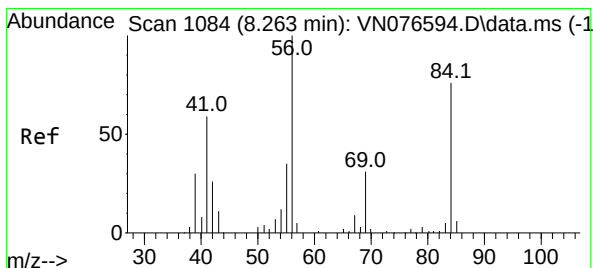
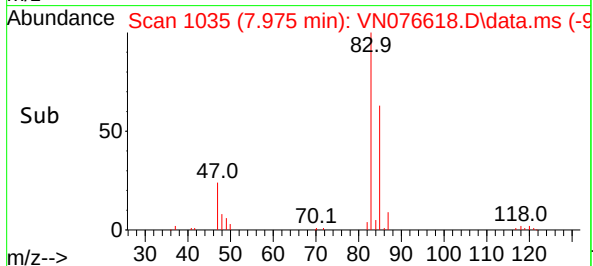
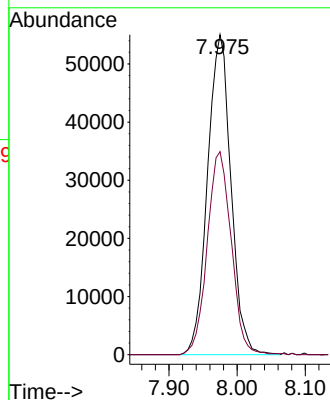
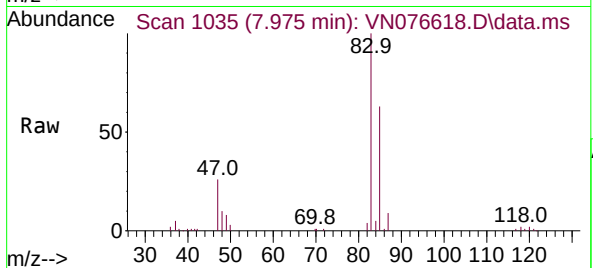
85 63.4 53.6 80.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/13/2023

Supervised By :Mahesh Dadoda 02/13/2023



#26

Cyclohexane

Concen: 16.122 ug/l

RT: 8.269 min Scan# 1085

Delta R.T. 0.004 min

Lab File: VN076618.D

Acq: 10 Feb 2023 18:45

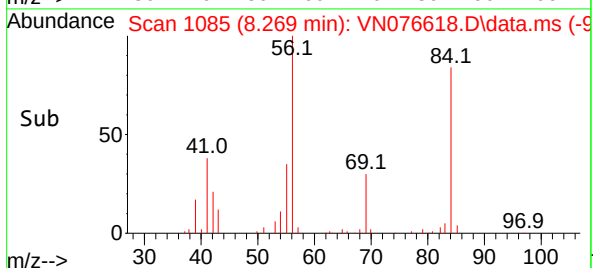
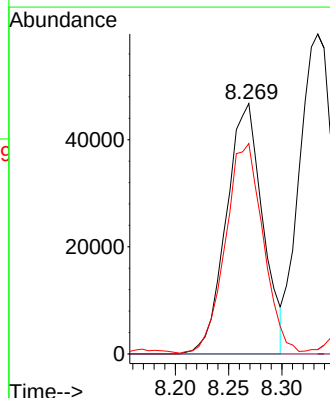
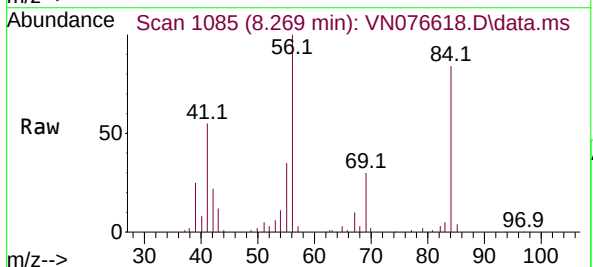
Tgt Ion: 56 Resp: 111186

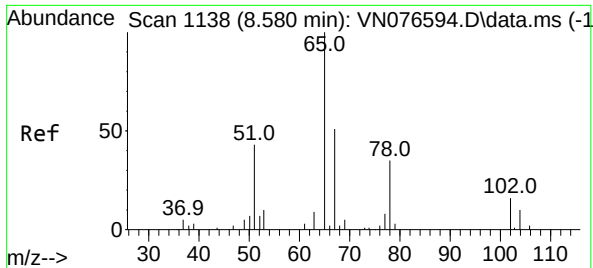
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 86.3 68.4 102.6





#27
1,2-Dichloroethane-d4
Concen: 24.739 ug/l
RT: 8.581 min Scan# 1138
Delta R.T. -0.007 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

Instrument :

MSVOA_N

ClientSampleId :

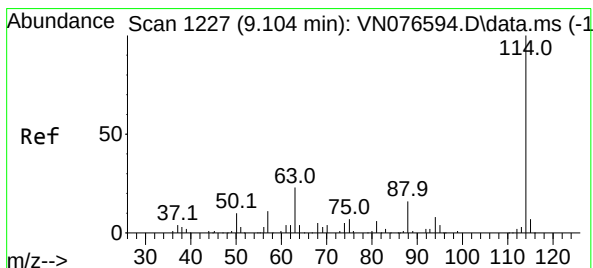
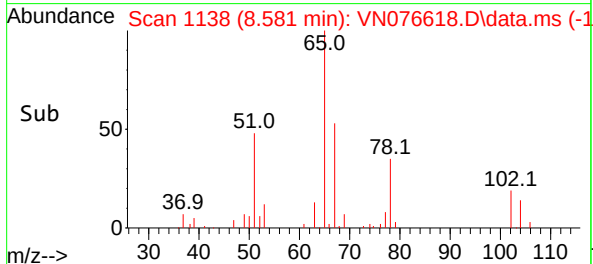
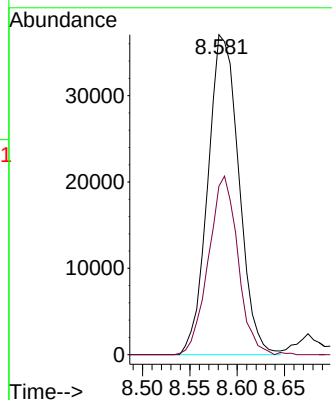
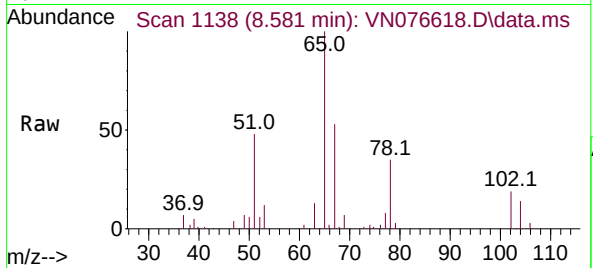
VSTDCCC020EC

Tgt Ion: 65 Resp: 8460
Ion Ratio Lower Upper
65 100
67 52.8 45.2 67.8

Manual Integrations

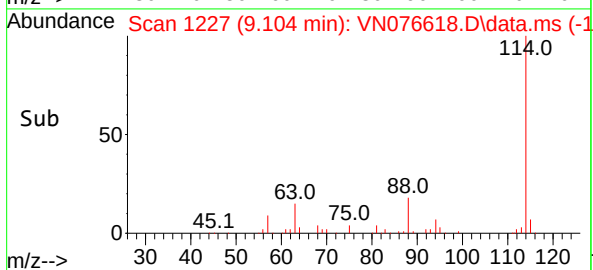
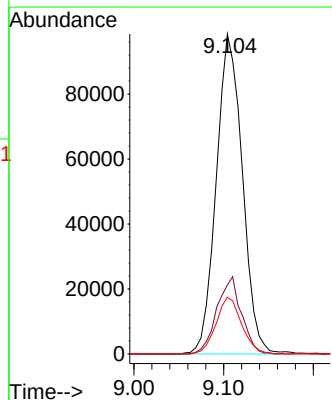
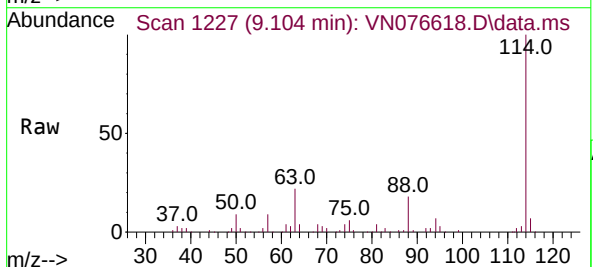
APPROVED

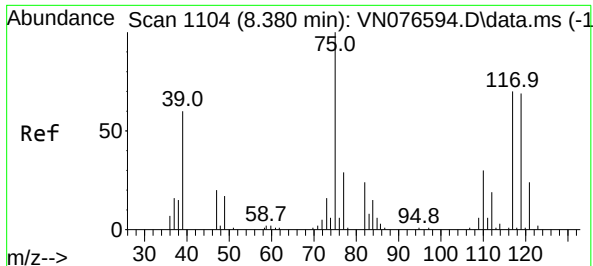
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.104 min Scan# 1227
Delta R.T. -0.002 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

Tgt Ion:114 Resp: 198434
Ion Ratio Lower Upper
114 100
63 22.7 16.6 25.0
88 17.4 12.2 18.4





#29

1,1-Dichloropropene

Concen: 18.465 ug/l

RT: 8.381 min Scan# 1104

Delta R.T. -0.002 min

Lab File: VN076618.D

Acq: 10 Feb 2023 18:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 75 Resp: 94844

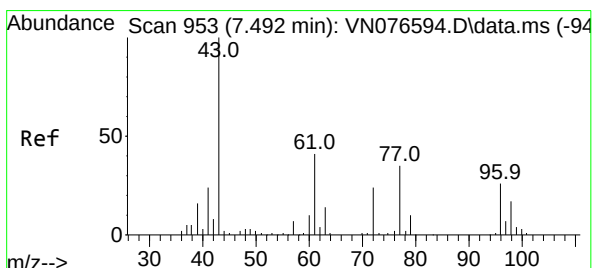
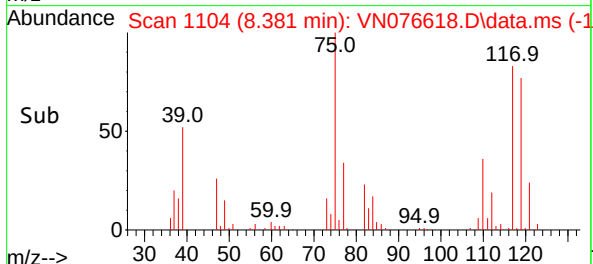
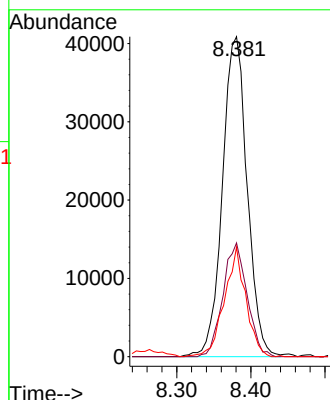
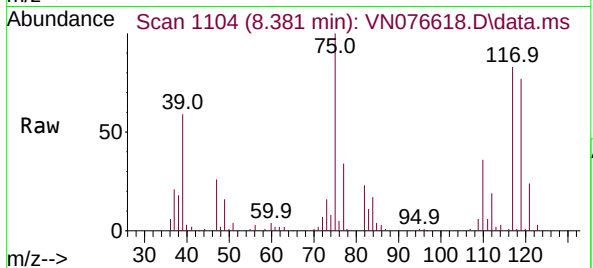
Ion	Ratio	Lower	Upper
75	100		
110	34.6	0.0	72.2
77	29.7	0.0	64.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/13/2023

Supervised By :Mahesh Dadoda 02/13/2023



#30

2-Butanone

Concen: 87.573 ug/l

RT: 7.492 min Scan# 953

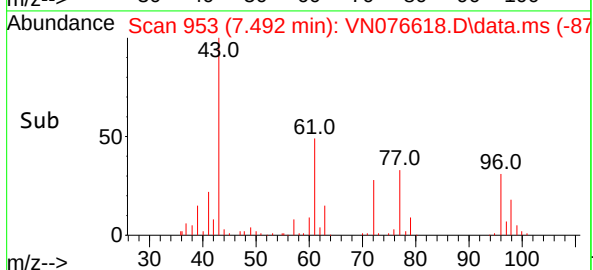
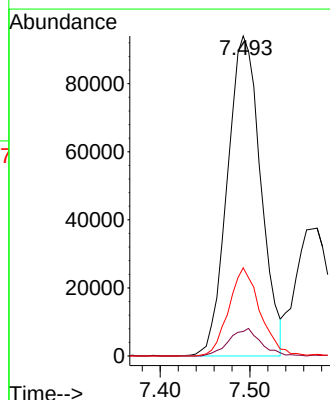
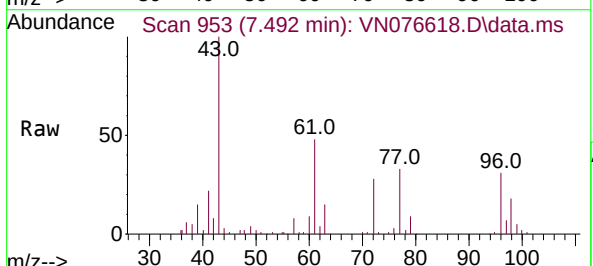
Delta R.T. -0.014 min

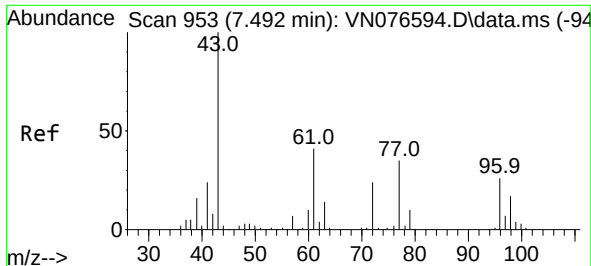
Lab File: VN076618.D

Acq: 10 Feb 2023 18:45

Tgt Ion: 43 Resp: 242794

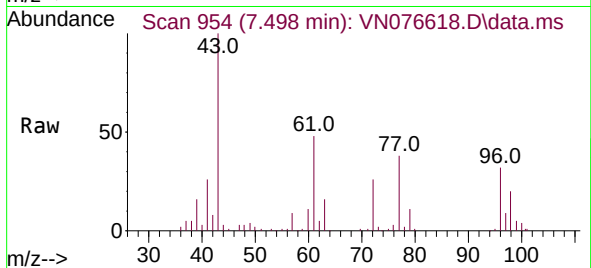
Ion	Ratio	Lower	Upper
43	100		
57	8.1	6.3	9.5
72	26.0	21.0	31.4





#31
2,2-Dichloropropane
Concen: 17.093 ug/l
RT: 7.498 min Scan# 915
Delta R.T. -0.008 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

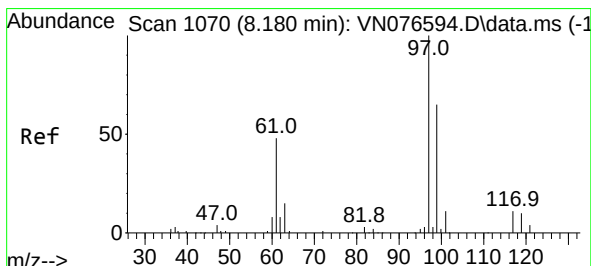
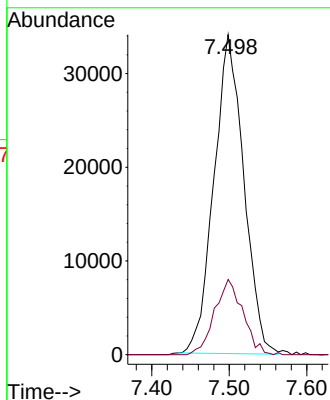
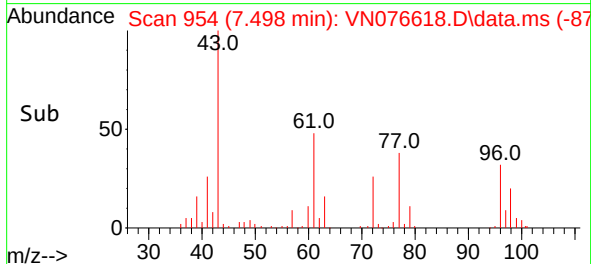
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



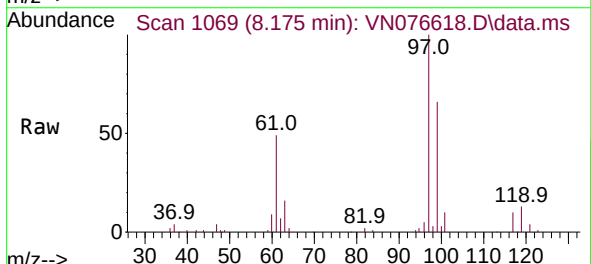
Tgt Ion: 77 Resp: 9115
Ion Ratio Lower Upper
77 100
97 22.4 18.4 27.6

Manual Integrations
APPROVED

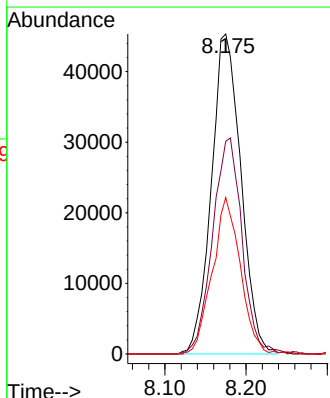
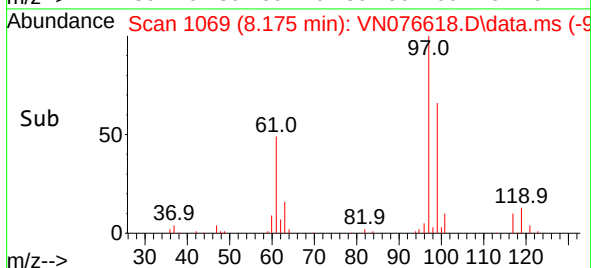
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023

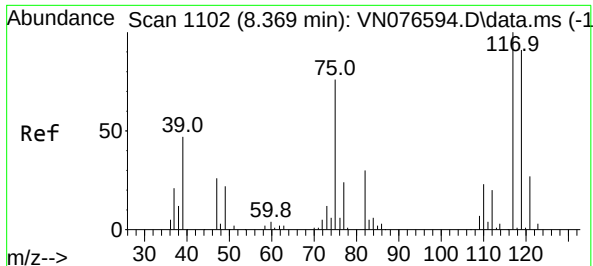


#32
1,1,1-Trichloroethane
Concen: 18.015 ug/l
RT: 8.175 min Scan# 1069
Delta R.T. -0.008 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45



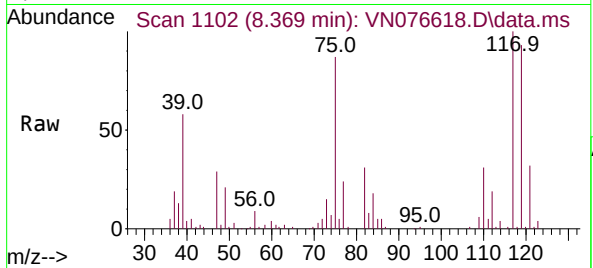
Tgt Ion: 97 Resp: 114802
Ion Ratio Lower Upper
97 100
99 67.0 50.0 75.0
61 46.2 36.1 54.1





#33
Carbon Tetrachloride
Concen: 18.418 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.002 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

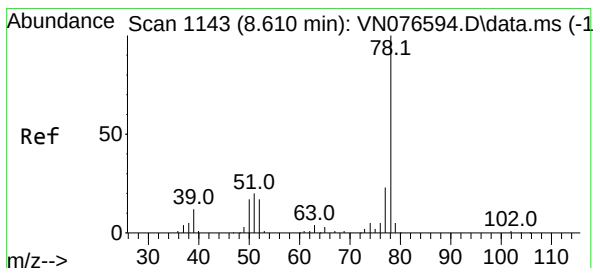
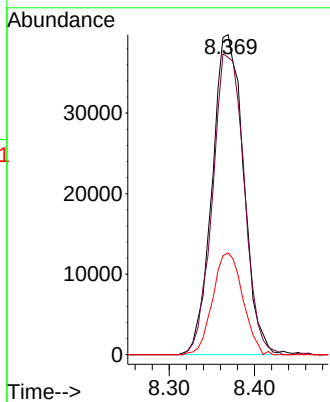
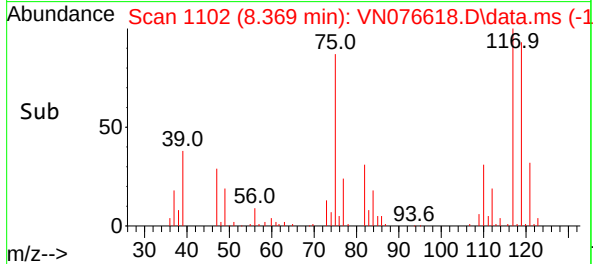
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



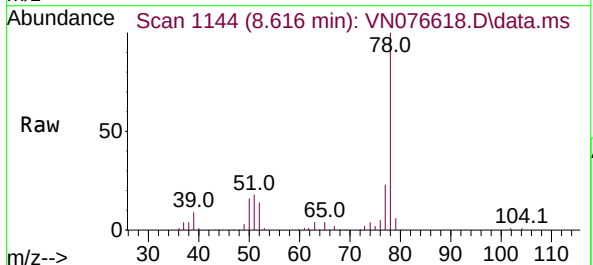
Tgt Ion: 117 Resp: 10125
Ion Ratio Lower Upper
117 100
119 92.9 77.8 116.6
121 31.8 27.6 41.4

Manual Integrations
APPROVED

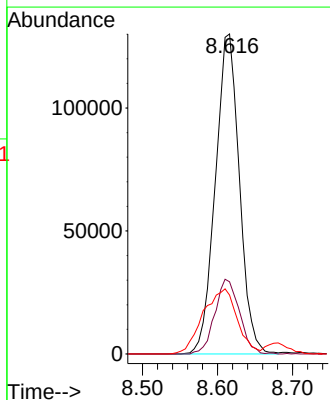
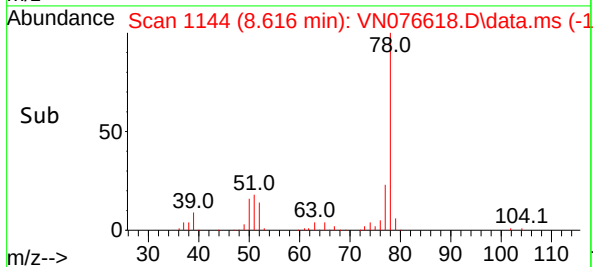
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023

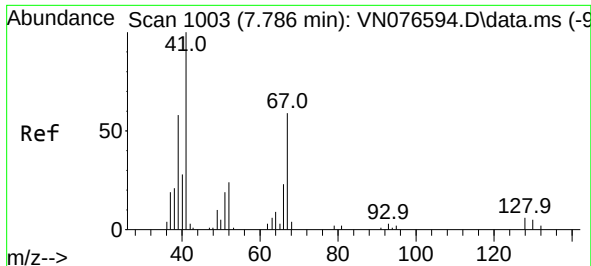


#34
Benzene
Concen: 18.357 ug/l m
RT: 8.616 min Scan# 1144
Delta R.T. 0.004 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45



Tgt Ion: 78 Resp: 289712
Ion Ratio Lower Upper
78 100
77 22.5 19.9 29.9
51 18.4 21.1 31.7#





#35
Methacrylonitrile
Concen: 18.413 ug/l
RT: 7.787 min Scan# 1003
Delta R.T. -0.007 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

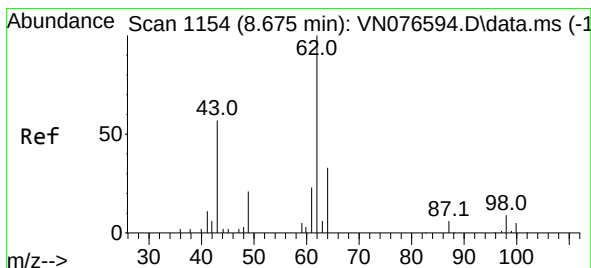
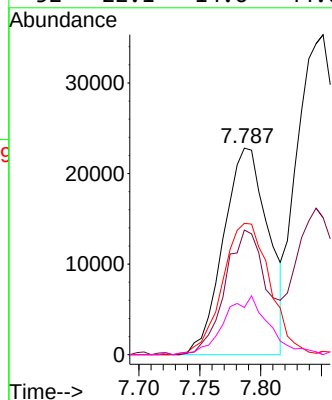
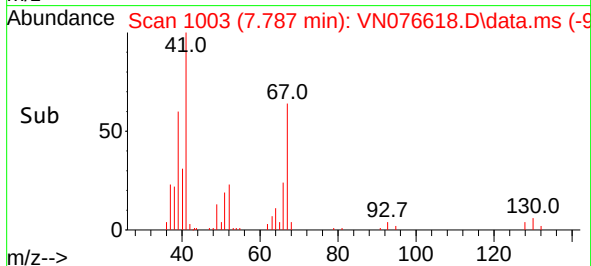
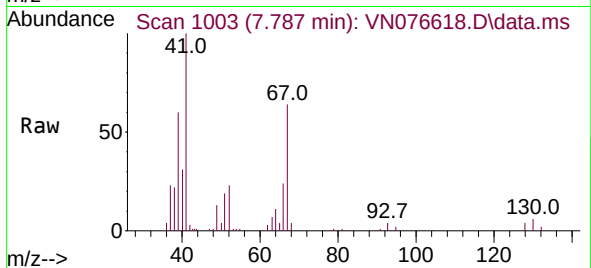
Tgt Ion: 41 Resp: 58690
Ion Ratio Lower Upper
41 100
39 60.4 27.7 83.1
67 62.8 38.0 113.9
52 22.1 14.6 44.0

Manual Integrations

APPROVED

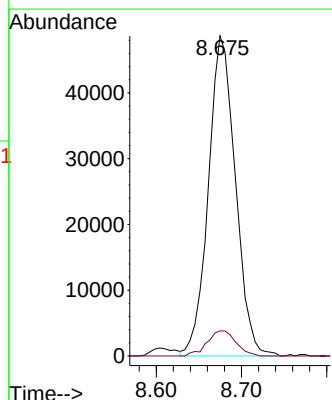
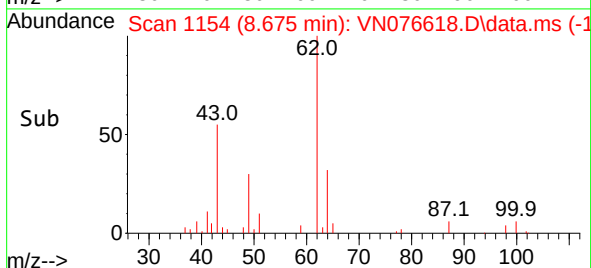
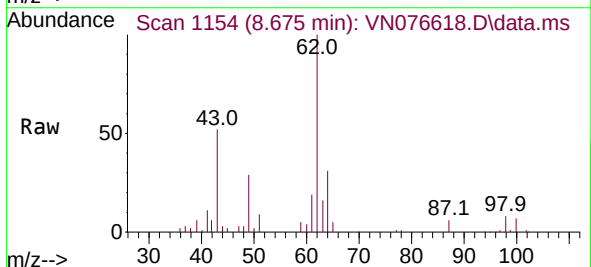
Reviewed By :John Carlone 02/13/2023

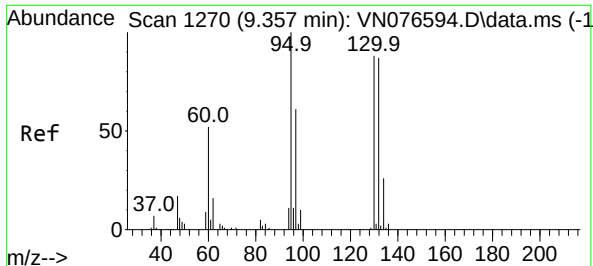
Supervised By :Mahesh Dadoda 02/13/2023



#36
1,2-Dichloroethane
Concen: 17.735 ug/l
RT: 8.675 min Scan# 1154
Delta R.T. -0.008 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

Tgt Ion: 62 Resp: 107332
Ion Ratio Lower Upper
62 100
98 7.8 7.4 11.2





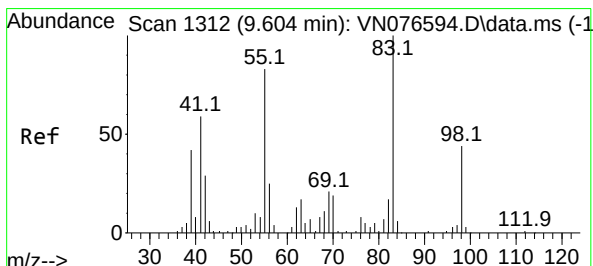
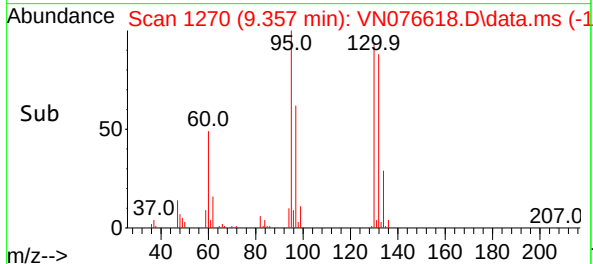
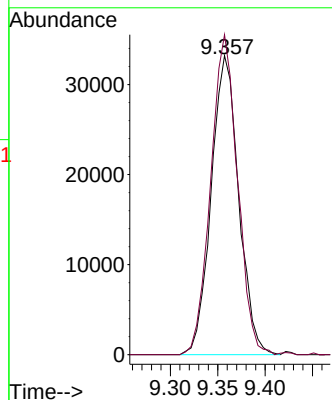
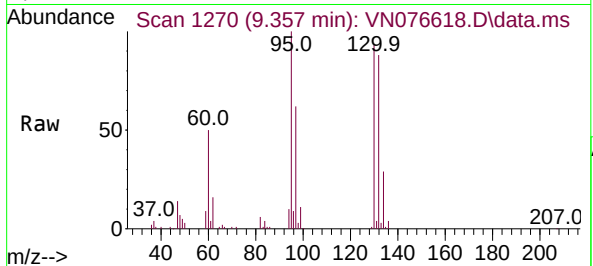
#37
Trichloroethene
Concen: 20.732 ug/l
RT: 9.357 min Scan# 1270
Delta R.T. -0.002 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:130 Resp: 6699
Ion Ratio Lower Upper
130 100
95 107.0 75.9 113.9

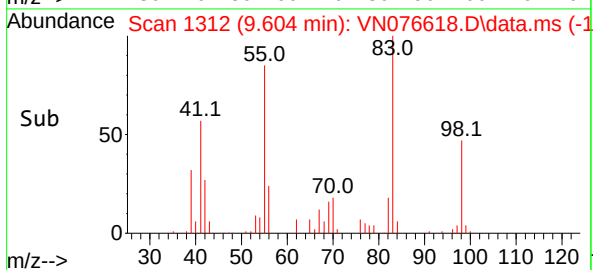
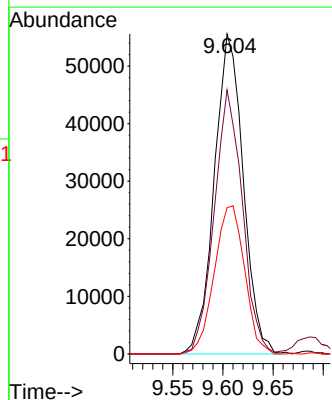
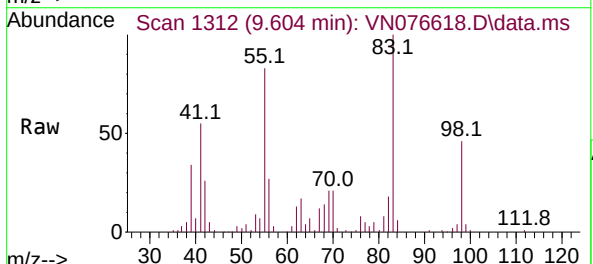
Manual Integrations
APPROVED

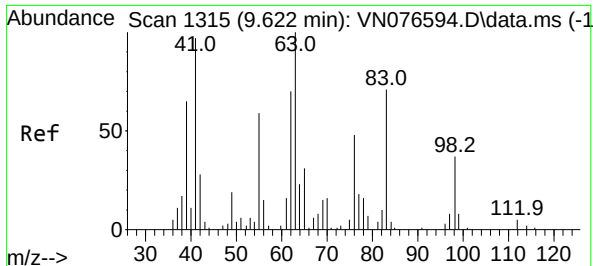
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#38
Methylcyclohexane
Concen: 19.638 ug/l
RT: 9.604 min Scan# 1312
Delta R.T. -0.002 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

Tgt Ion: 83 Resp: 111643
Ion Ratio Lower Upper
83 100
55 80.2 37.4 112.2
98 48.4 24.5 73.5





#39

1,2-Dichloropropane

Concen: 20.468 ug/l

RT: 9.628 min Scan# 1315

Delta R.T. -0.002 min

Lab File: VN076618.D

Acq: 10 Feb 2023 18:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 63 Resp: 77089

Ion Ratio Lower Upper

63 100

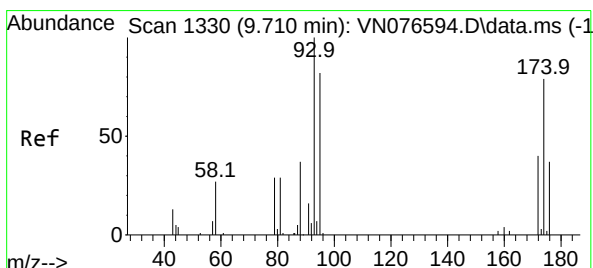
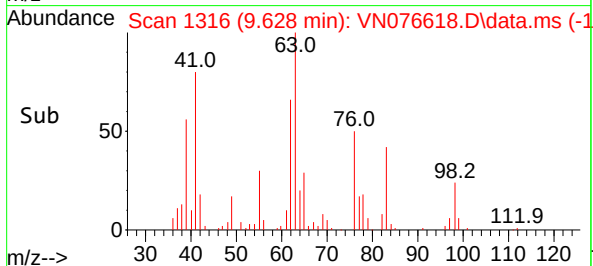
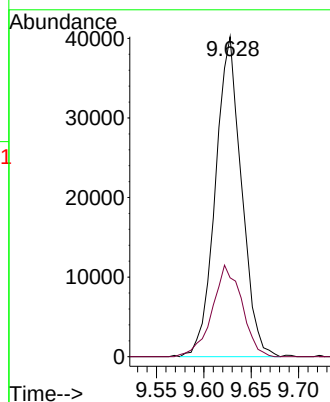
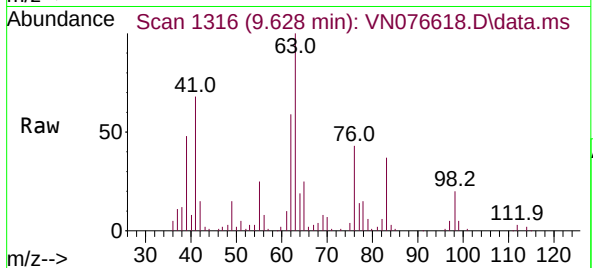
65 24.7 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/13/2023

Supervised By :Mahesh Dadoda 02/13/2023



#40

Dibromomethane

Concen: 19.962 ug/l

RT: 9.716 min Scan# 1331

Delta R.T. 0.004 min

Lab File: VN076618.D

Acq: 10 Feb 2023 18:45

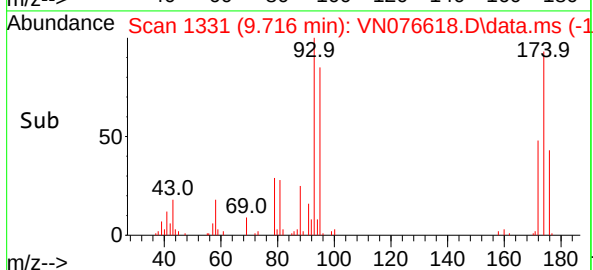
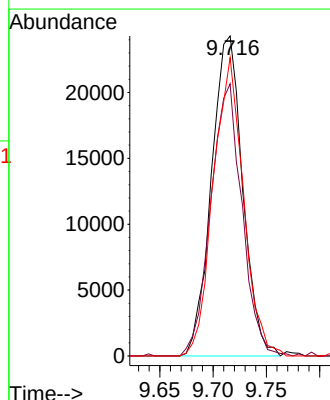
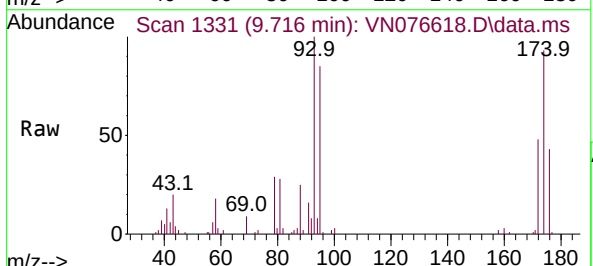
Tgt Ion: 93 Resp: 49459

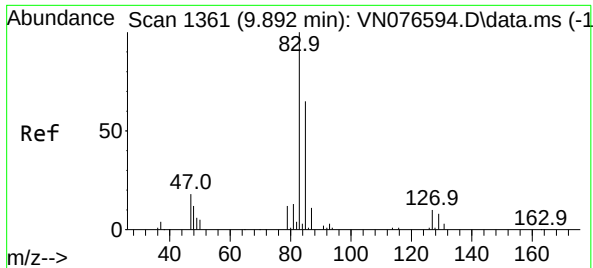
Ion Ratio Lower Upper

93 100

95 85.0 0.0 168.0

174 90.0 0.0 158.4





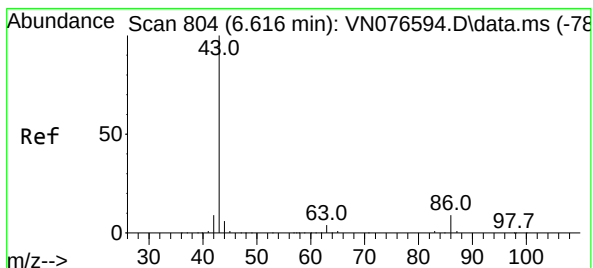
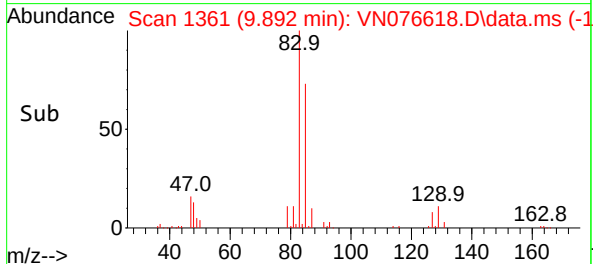
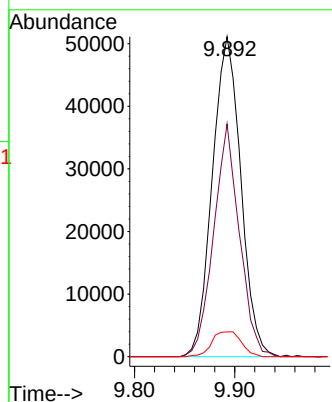
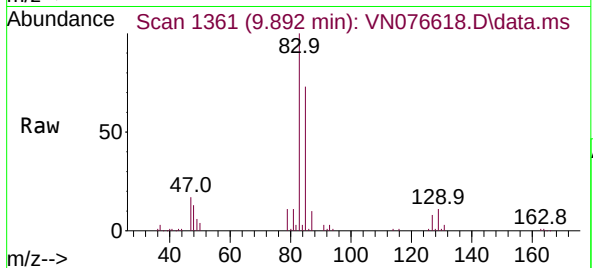
#41
Bromodichloromethane
Concen: 19.366 ug/l
RT: 9.892 min Scan# 1361
Delta R.T. 0.004 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 83 Resp: 100888
Ion Ratio Lower Upper
83 100
85 72.8 50.2 75.4
127 7.8 5.1 7.7

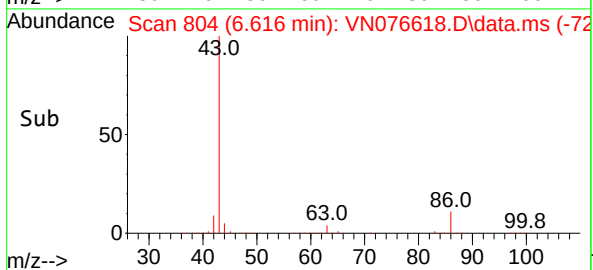
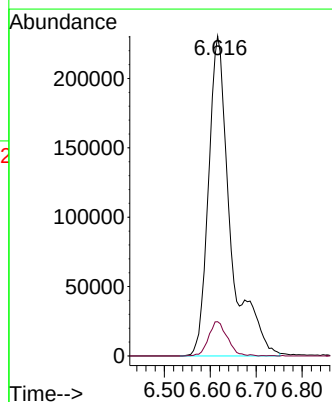
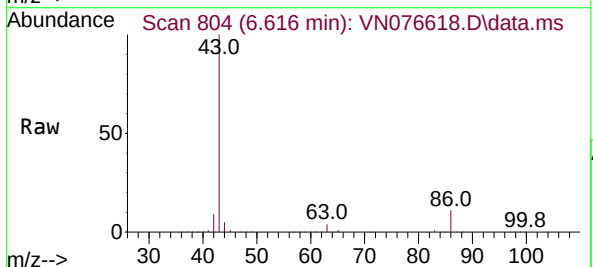
Manual Integrations
APPROVED

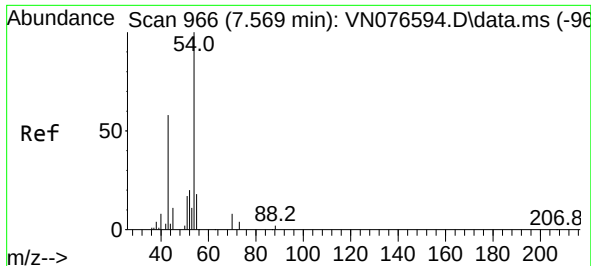
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#42
Vinyl Acetate
Concen: 85.003 ug/l m
RT: 6.616 min Scan# 804
Delta R.T. -0.008 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

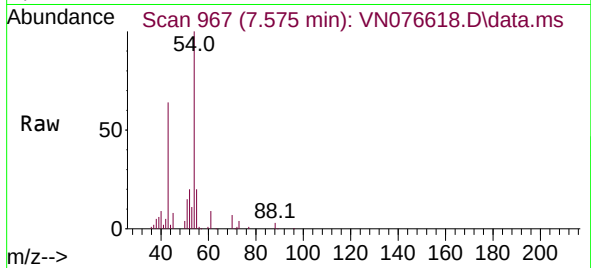
Tgt Ion: 43 Resp: 766559
Ion Ratio Lower Upper
43 100
86 9.1 7.5 11.3





#43
Ethyl Acetate
Concen: 18.419 ug/l
RT: 7.575 min Scan# 90
Delta R.T. -0.008 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

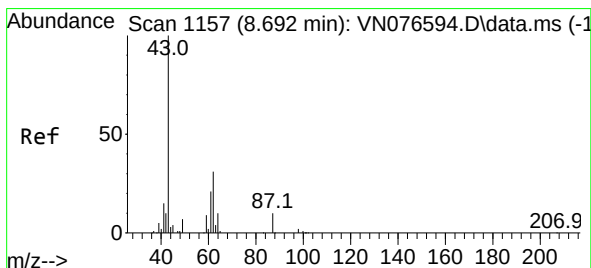
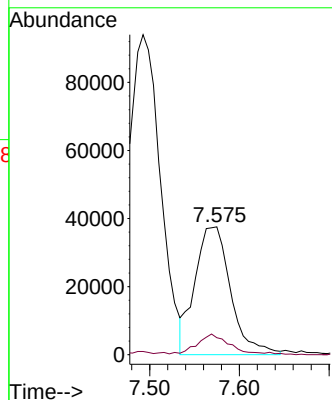
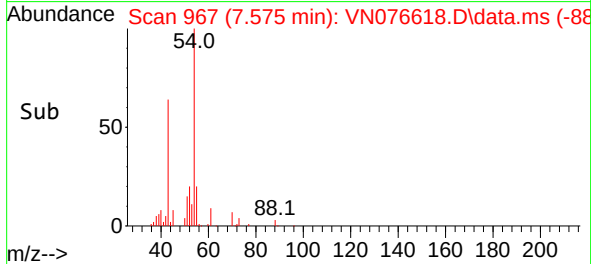
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 43 Resp: 10412
Ion Ratio Lower Upper
43 100
45 14.6 11.5 17.3

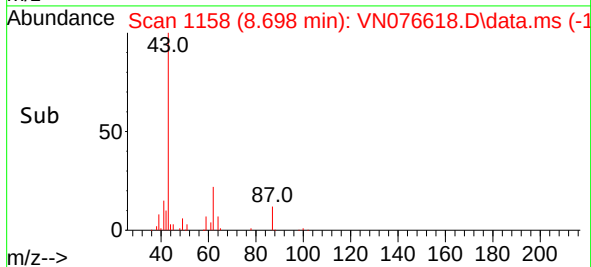
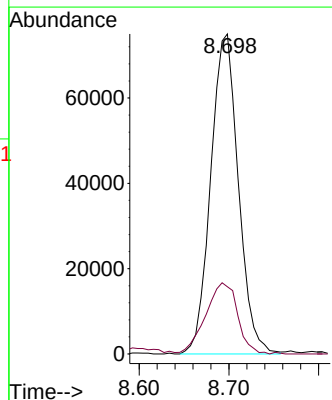
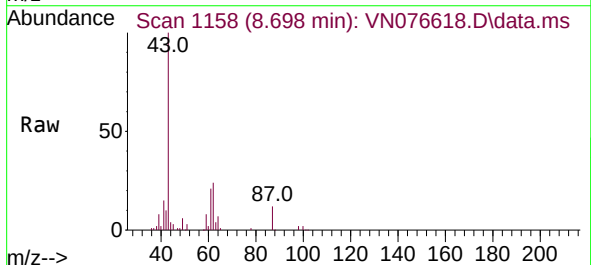
Manual Integrations
APPROVED

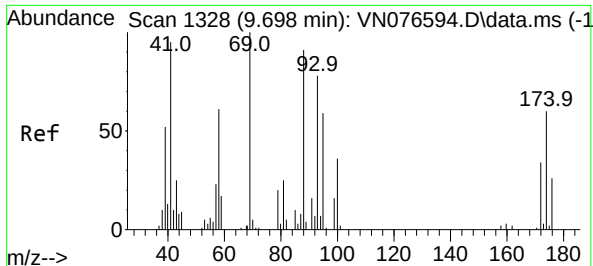
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#44
Isopropyl Acetate
Concen: 17.281 ug/l
RT: 8.698 min Scan# 1158
Delta R.T. 0.004 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

Tgt Ion: 43 Resp: 160703
Ion Ratio Lower Upper
43 100
61 25.6 19.5 29.3





#45

1,4-Dioxane

Concen: 399.543 ug/l

RT: 9.698 min Scan# 1328

Delta R.T. -0.002 min

Lab File: VN076618.D

Acq: 10 Feb 2023 18:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 88 Resp: 3028

Ion Ratio Lower Upper

88 100

43 26.7 25.7 38.5

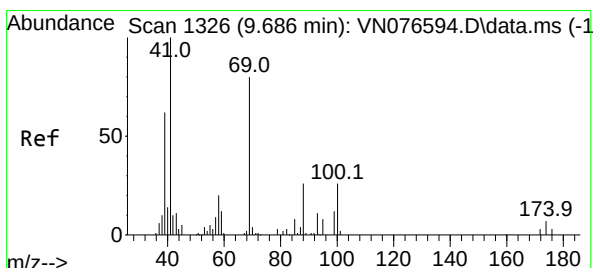
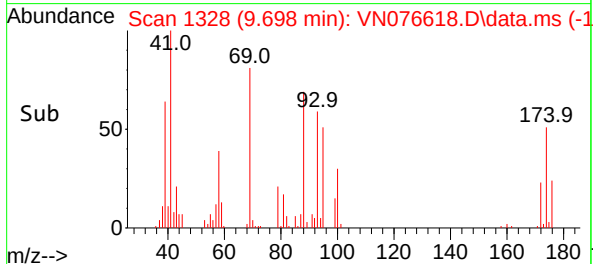
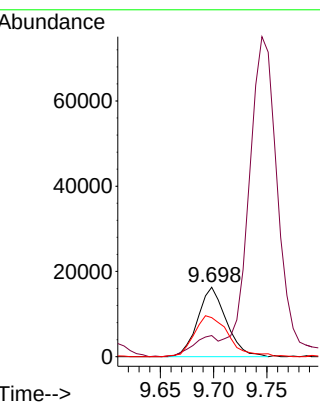
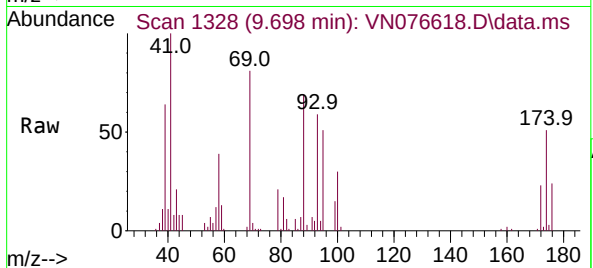
58 70.0 53.4 80.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/13/2023

Supervised By :Mahesh Dadoda 02/13/2023



#46

Methyl methacrylate

Concen: 17.767 ug/l

RT: 9.686 min Scan# 1326

Delta R.T. -0.002 min

Lab File: VN076618.D

Acq: 10 Feb 2023 18:45

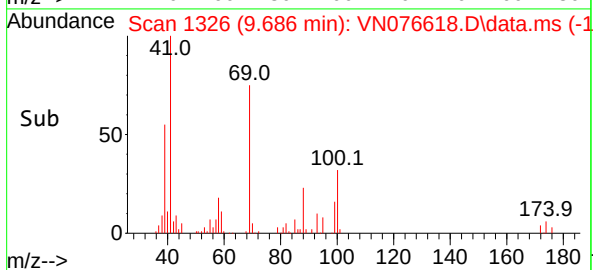
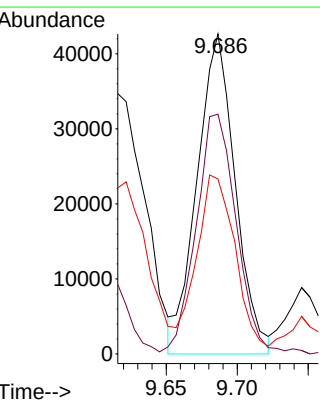
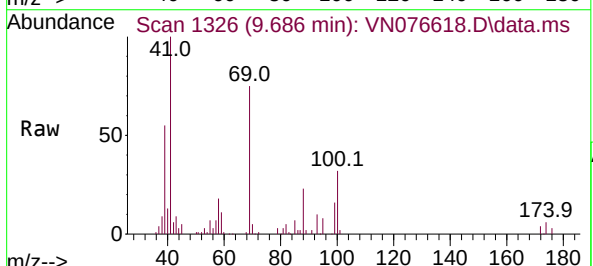
Tgt Ion: 41 Resp: 79660

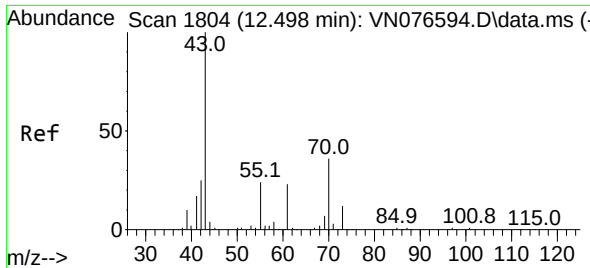
Ion Ratio Lower Upper

41 100

69 77.2 45.6 136.7

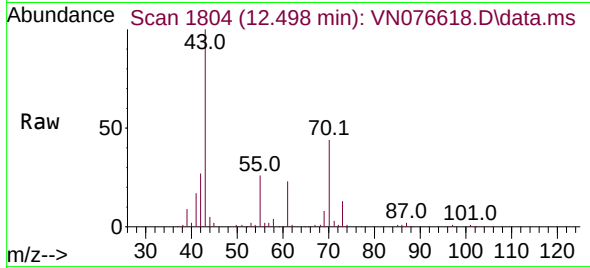
39 55.3 32.3 96.9





#47
n-amy1 Acetate
Concen: 17.443 ug/l
RT: 12.498 min Scan# 1804
Delta R.T. -0.002 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

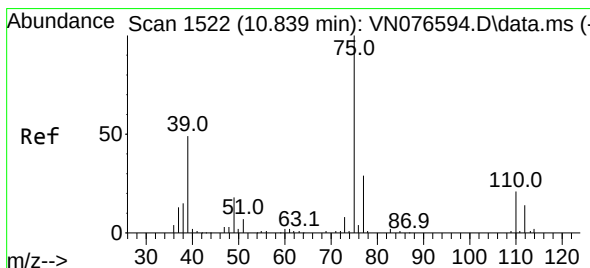
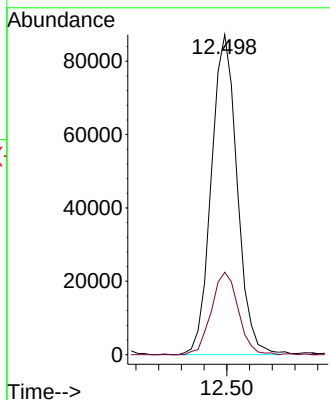
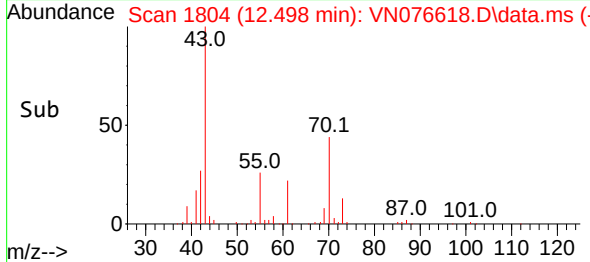
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 43 Resp: 137880
Ion Ratio Lower Upper
43 100
55 26.6 16.8 25.2

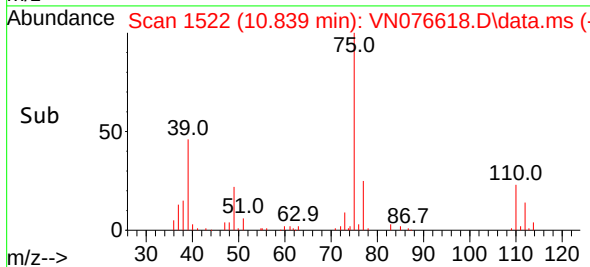
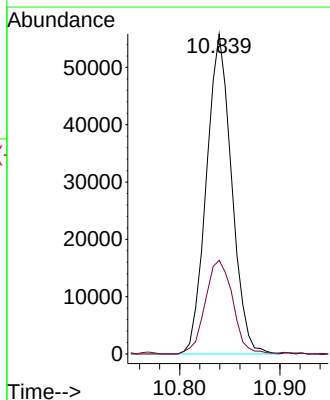
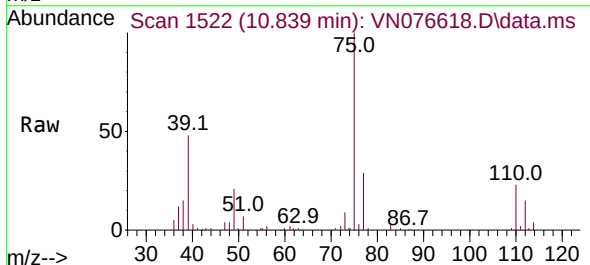
Manual Integrations
APPROVED

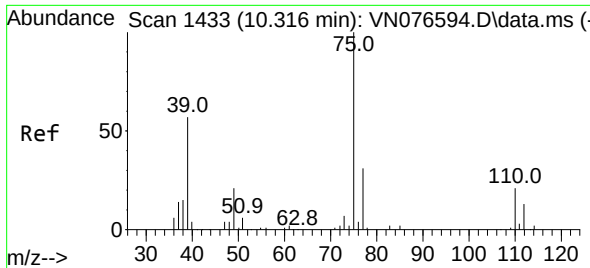
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#48
t-1,3-Dichloropropene
Concen: 18.608 ug/l
RT: 10.839 min Scan# 1522
Delta R.T. -0.002 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

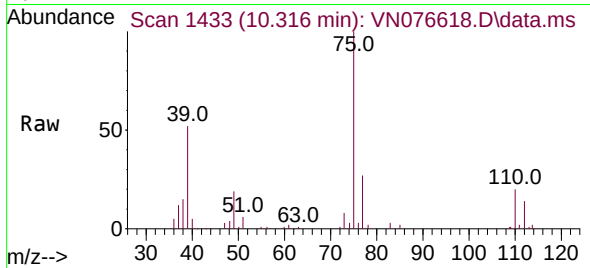
Tgt Ion: 75 Resp: 97586
Ion Ratio Lower Upper
75 100
77 29.2 25.8 38.8





#49
 cis-1,3-Dichloropropene
 Concen: 18.998 ug/l
 RT: 10.316 min Scan# 1433
 Delta R.T. -0.002 min
 Lab File: VN076618.D
 Acq: 10 Feb 2023 18:45

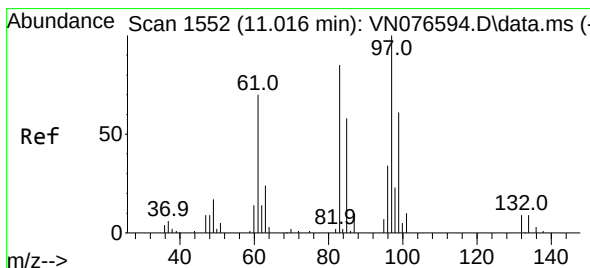
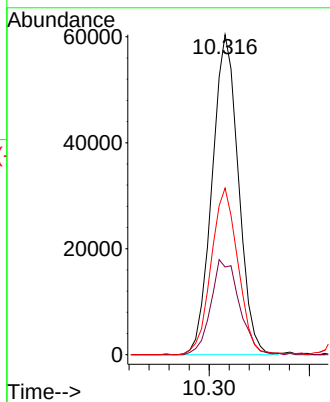
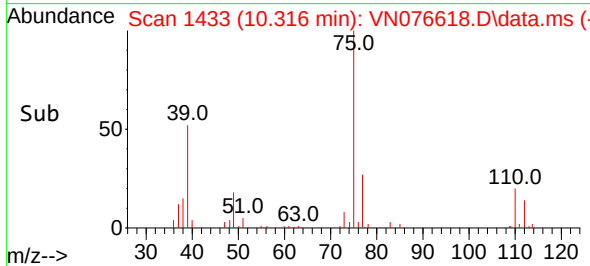
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



Tgt Ion: 75 Resp: 11013
 Ion Ratio Lower Upper
 75 100
 77 27.4 22.5 33.7
 39 52.1 37.6 56.4

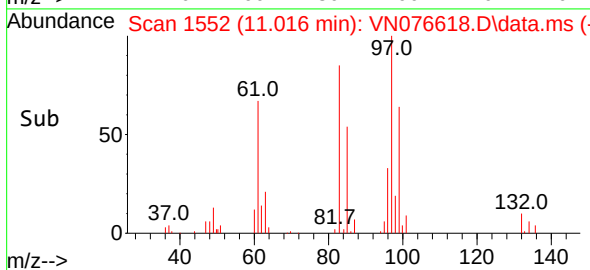
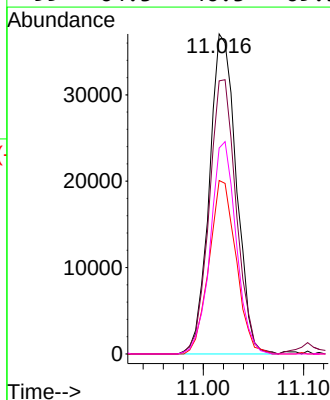
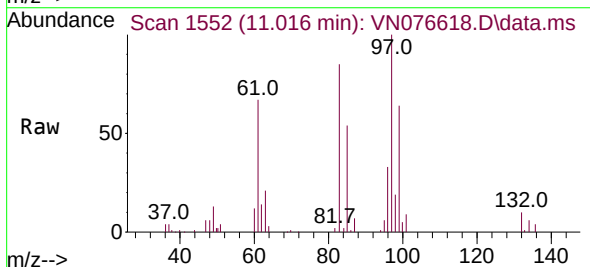
Manual Integrations
 APPROVED

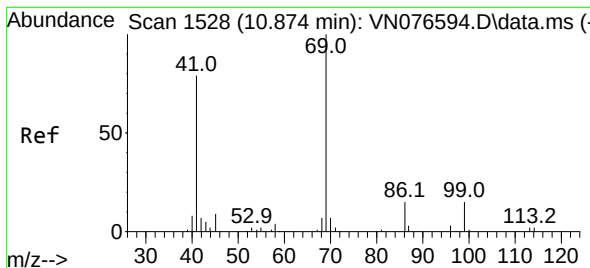
Reviewed By :John Carlone 02/13/2023
 Supervised By :Mahesh Dadoda 02/13/2023



#50
 1,1,2-Trichloroethane
 Concen: 20.585 ug/l
 RT: 11.016 min Scan# 1552
 Delta R.T. -0.002 min
 Lab File: VN076618.D
 Acq: 10 Feb 2023 18:45

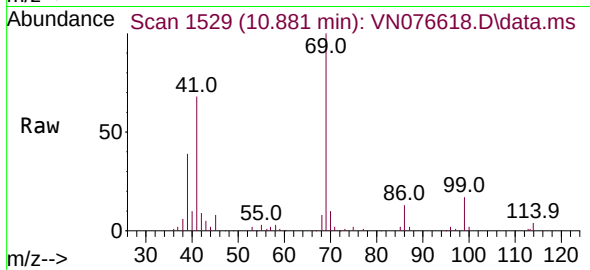
Tgt Ion: 97 Resp: 69267
 Ion Ratio Lower Upper
 97 100
 83 85.4 69.2 103.8
 85 54.2 41.4 62.2
 99 64.3 46.3 69.5





#51
Ethyl methacrylate
Concen: 19.464 ug/l
RT: 10.881 min Scan# 1529
Delta R.T. 0.004 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

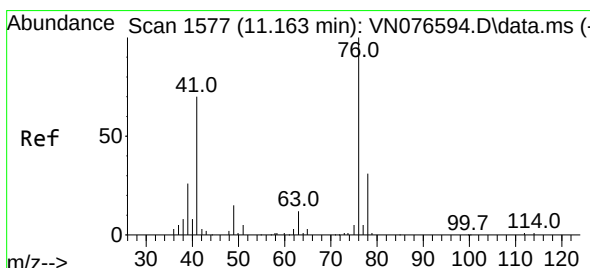
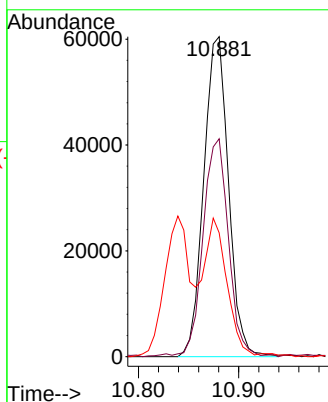
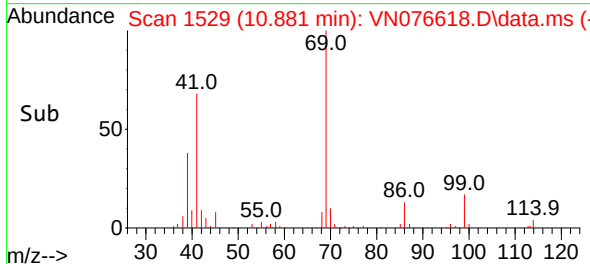
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



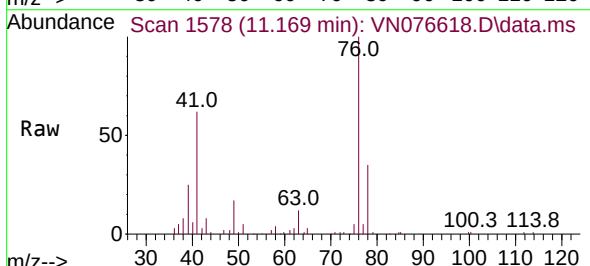
Tgt Ion: 69 Resp: 103999
Ion Ratio Lower Upper
69 100
41 68.1 32.5 97.5
39 38.2 21.5 64.5

Manual Integrations
APPROVED

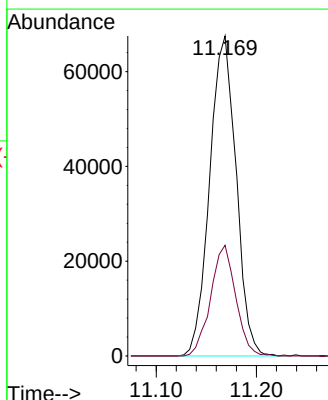
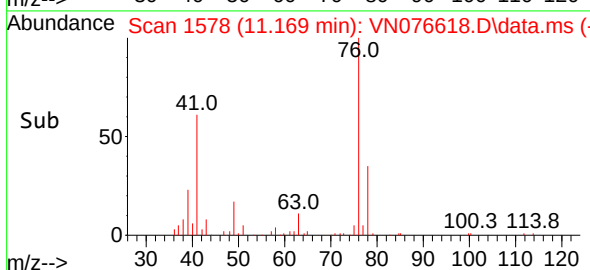
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023

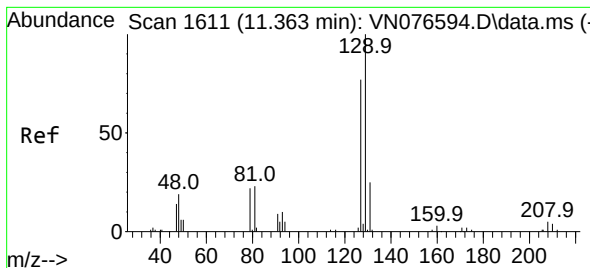


#52
1,3-Dichloropropane
Concen: 19.708 ug/l
RT: 11.169 min Scan# 1578
Delta R.T. 0.004 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45



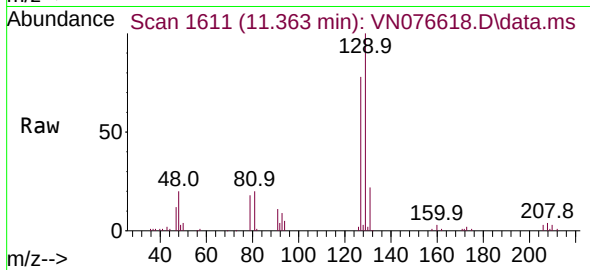
Tgt Ion: 76 Resp: 123620
Ion Ratio Lower Upper
76 100
78 32.9 0.0 63.8





#53
Dibromochloromethane
Concen: 21.308 ug/l
RT: 11.363 min Scan# 1611
Delta R.T. -0.002 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

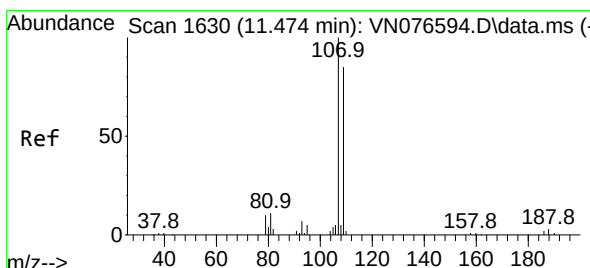
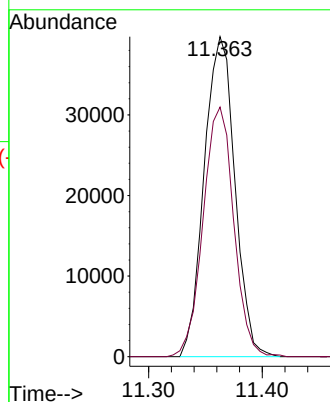
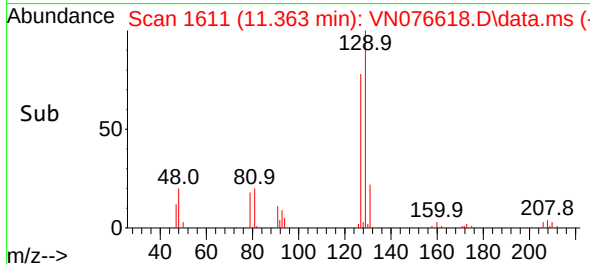
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



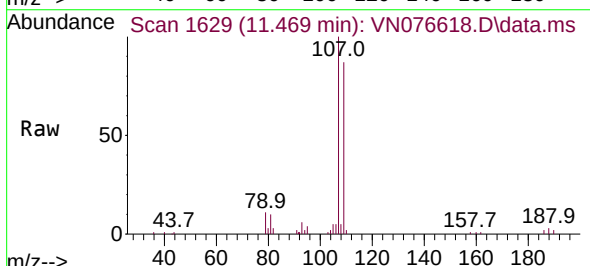
Tgt Ion:129 Resp: 7450
Ion Ratio Lower Upper
129 100
127 77.7 40.6 121.7

Manual Integrations
APPROVED

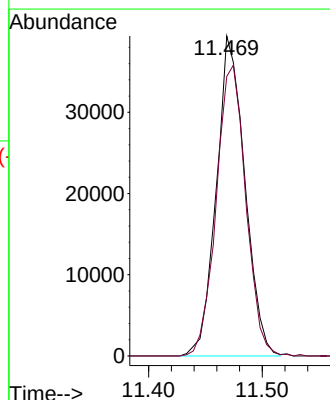
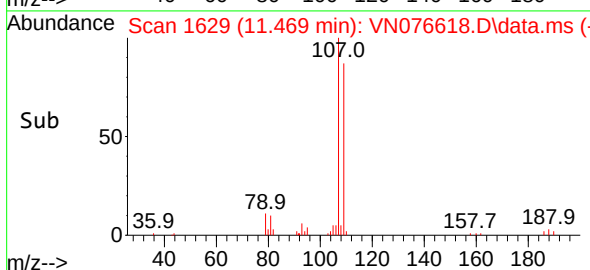
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023

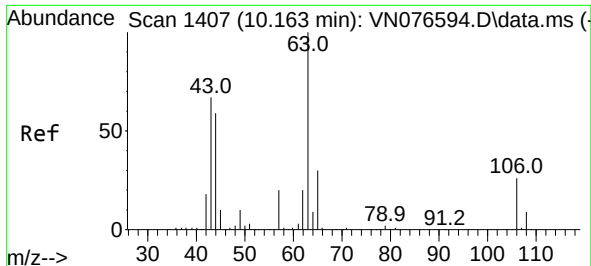


#54
1,2-Dibromoethane
Concen: 20.156 ug/l
RT: 11.469 min Scan# 1629
Delta R.T. -0.002 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45



Tgt Ion:107 Resp: 68631
Ion Ratio Lower Upper
107 100
109 94.1 76.2 114.2





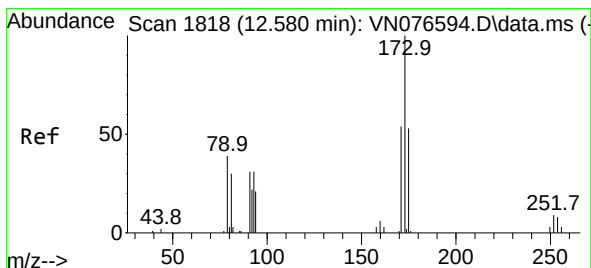
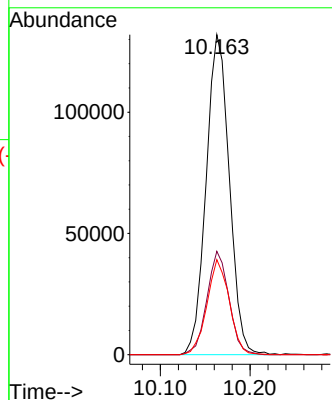
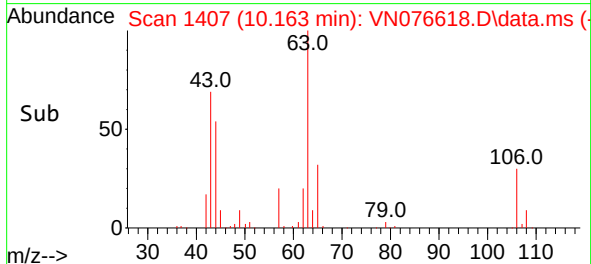
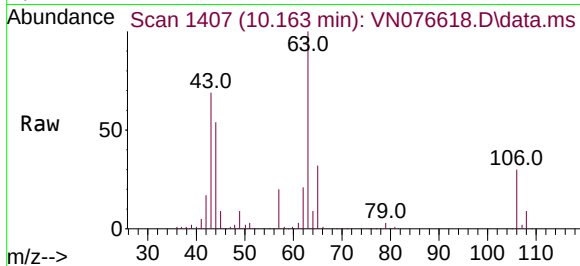
#55
2-Chloroethyl vinyl ether
Concen: 96.975 ug/l
RT: 10.163 min Scan# 1407
Delta R.T. -0.002 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 63 Resp: 23667
Ion Ratio Lower Upper
63 100
65 30.6 24.6 36.8
106 28.6 21.3 31.9

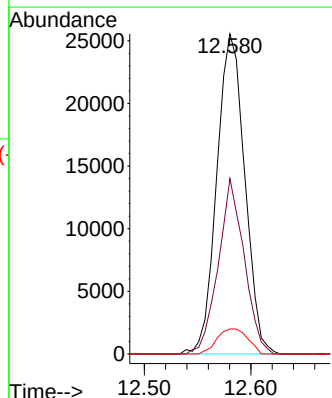
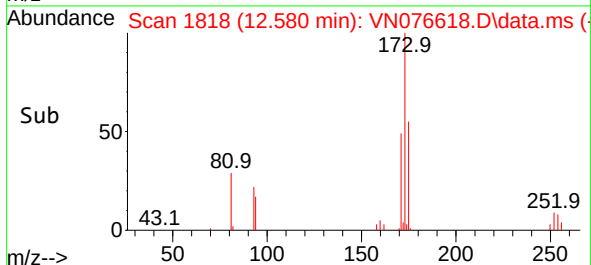
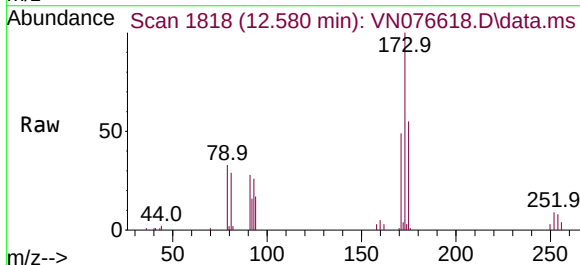
Manual Integrations
APPROVED

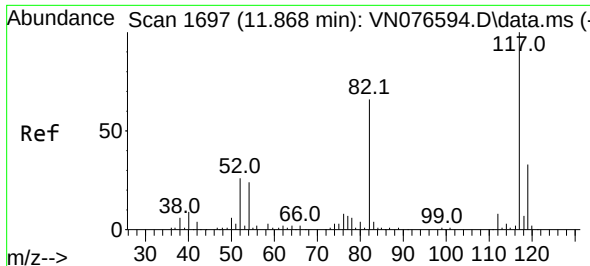
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#56
Bromoform
Concen: 20.648 ug/l
RT: 12.580 min Scan# 1818
Delta R.T. 0.004 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

Tgt Ion:173 Resp: 46497
Ion Ratio Lower Upper
173 100
175 50.8 39.1 58.7
254 8.6 7.0 10.6





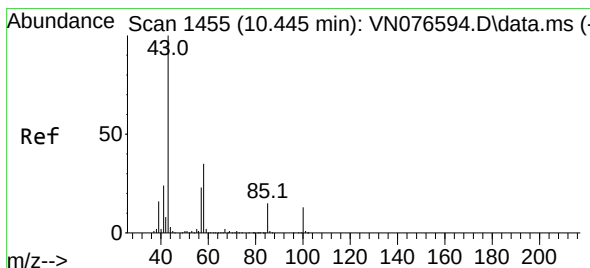
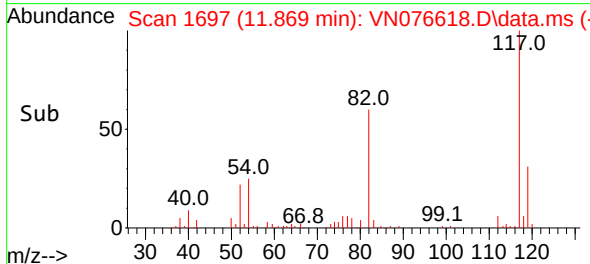
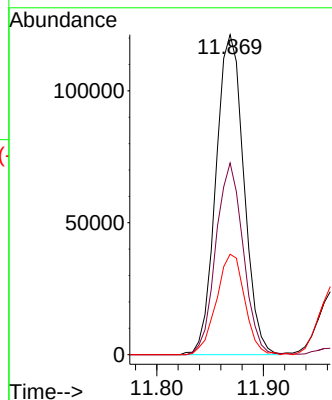
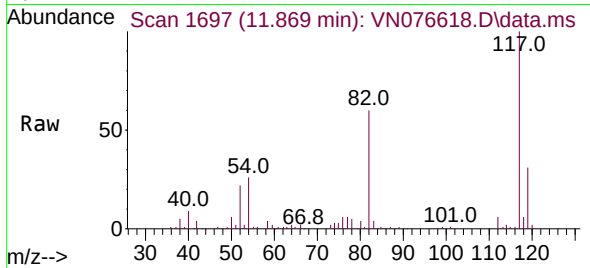
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.869 min Scan# 117
Delta R.T. -0.002 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:117 Resp: 220664
Ion Ratio Lower Upper
117 100
82 58.8 44.6 67.0
119 31.8 25.6 38.4

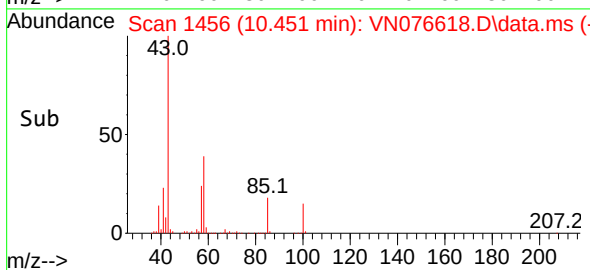
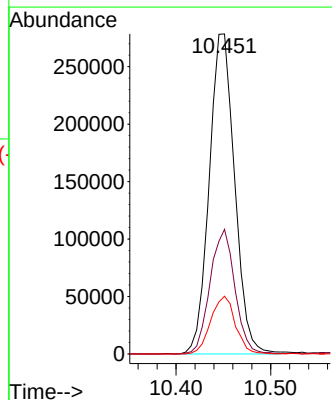
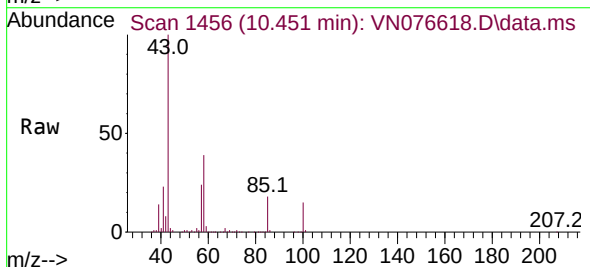
Manual Integrations
APPROVED

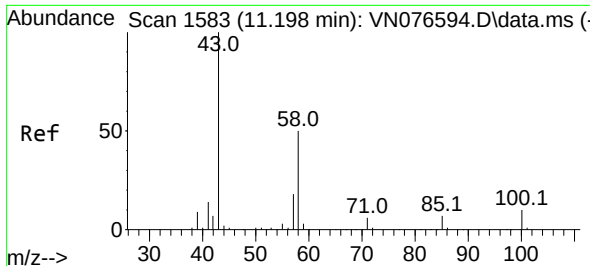
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#58
4-Methyl-2-Pentanone
Concen: 84.349 ug/l
RT: 10.451 min Scan# 1456
Delta R.T. 0.004 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

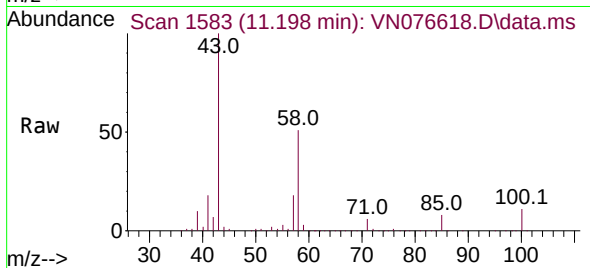
Tgt Ion: 43 Resp: 520314
Ion Ratio Lower Upper
43 100
58 38.1 30.8 46.2
85 17.5 13.3 19.9





#59
2-Hexanone
Concen: 85.311 ug/l
RT: 11.198 min Scan# 1583
Delta R.T. -0.002 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

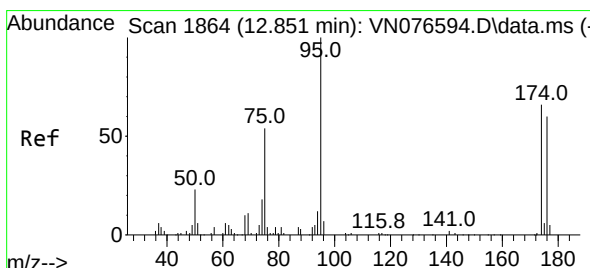
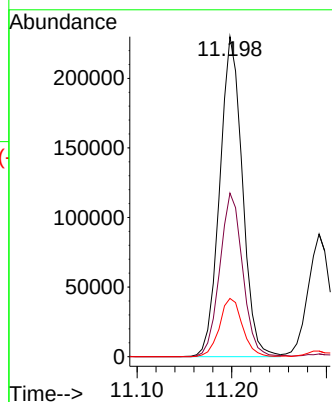
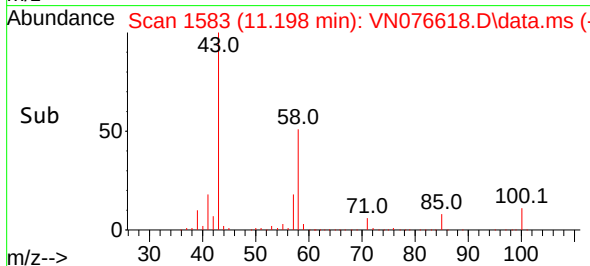
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 43 Resp: 38262
Ion Ratio Lower Upper
43 100
58 51.7 43.6 65.4
57 18.5 14.3 21.5

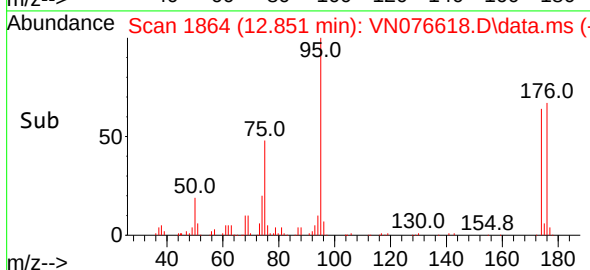
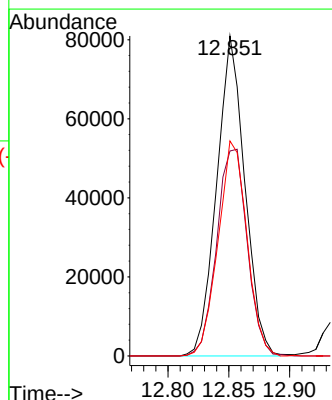
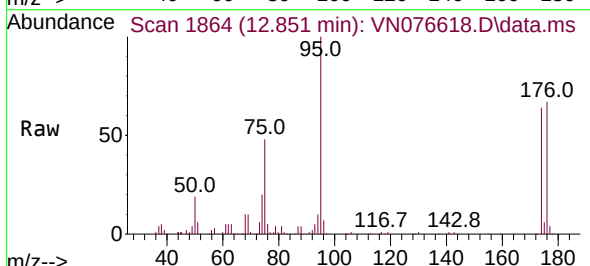
Manual Integrations
APPROVED

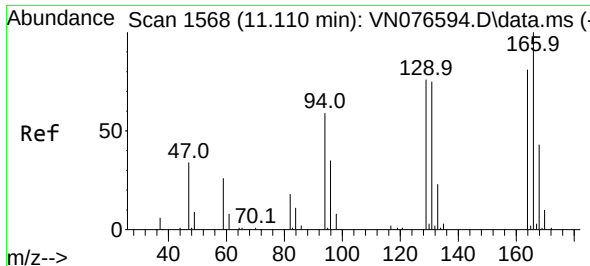
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#60
4-Bromofluorobenzene
Concen: 26.155 ug/l
RT: 12.851 min Scan# 1864
Delta R.T. -0.002 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

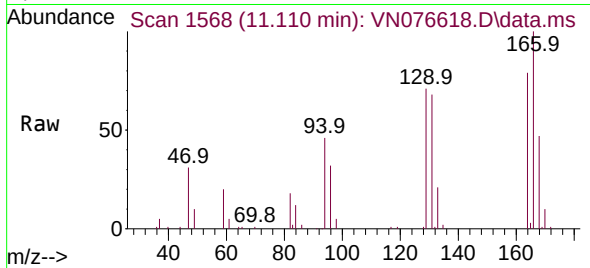
Tgt Ion: 95 Resp: 130296
Ion Ratio Lower Upper
95 100
174 69.9 57.8 86.8
176 68.7 57.0 85.4





#61
Tetrachloroethene
Concen: 19.477 ug/l
RT: 11.110 min Scan# 1568
Delta R.T. 0.004 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

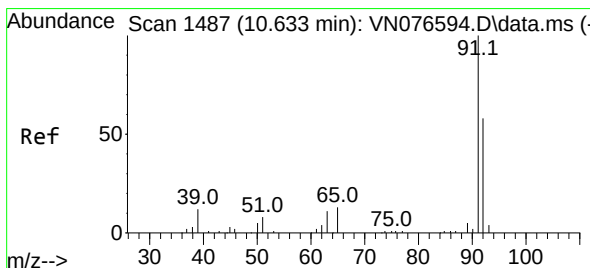
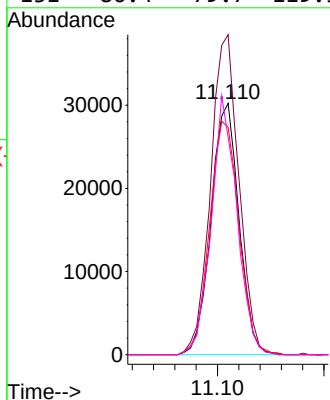
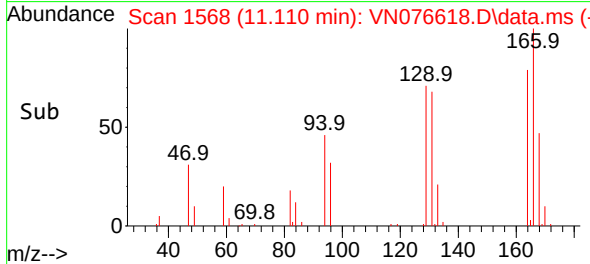
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



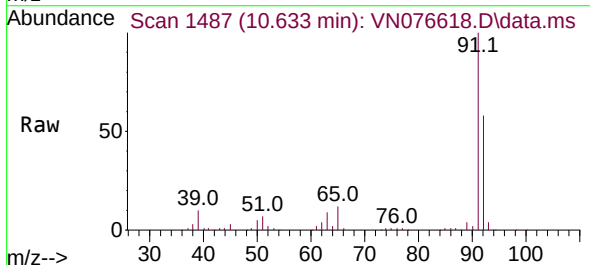
Tgt Ion:164 Resp: 54939
Ion Ratio Lower Upper
164 100
166 127.3 99.6 149.4
129 90.5 84.0 126.0
131 86.4 79.7 119.5

Manual Integrations
APPROVED

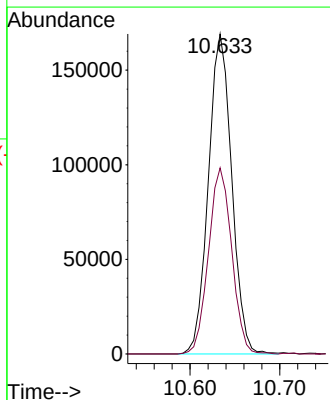
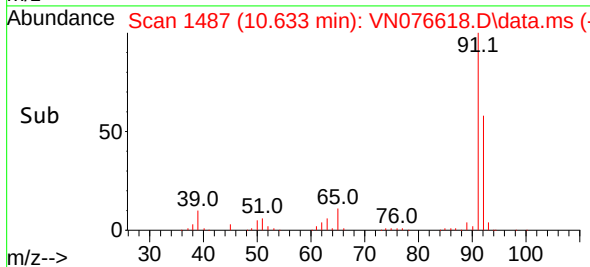
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023

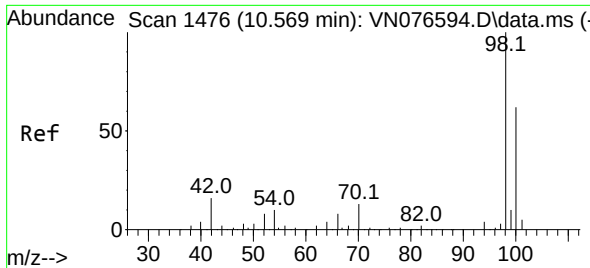


#62
Toluene
Concen: 18.698 ug/l
RT: 10.633 min Scan# 1487
Delta R.T. -0.002 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45



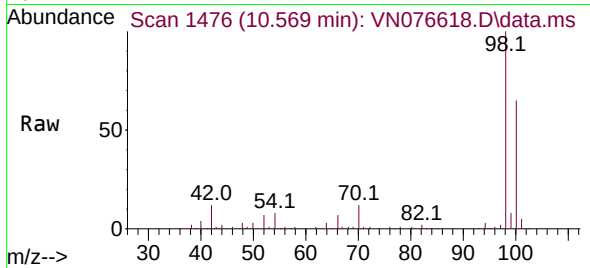
Tgt Ion: 91 Resp: 305897
Ion Ratio Lower Upper
91 100
92 57.8 46.0 69.0





#63
Toluene-d8
Concen: 28.778 ug/l
RT: 10.569 min Scan# 1476
Delta R.T. -0.002 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

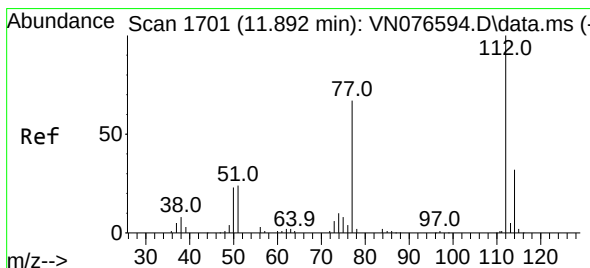
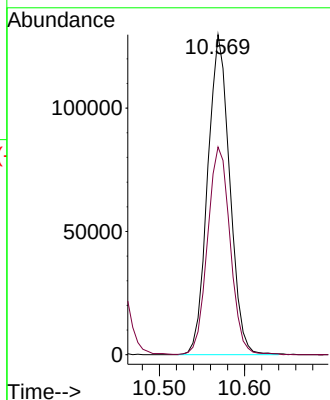
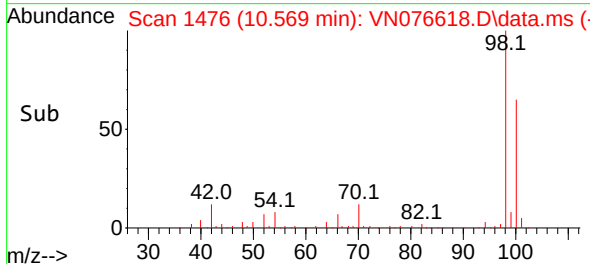
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



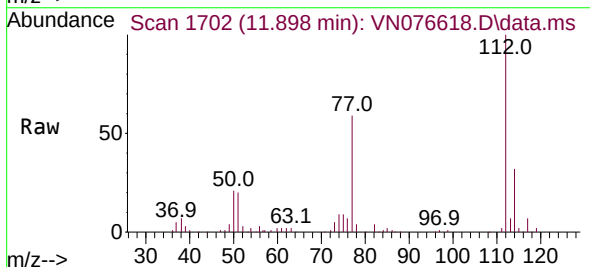
Tgt Ion: 98 Resp: 233170
Ion Ratio Lower Upper
98 100
100 66.5 52.7 79.1

Manual Integrations
APPROVED

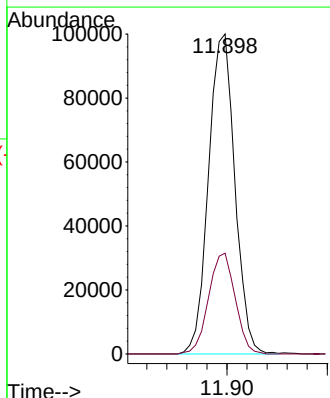
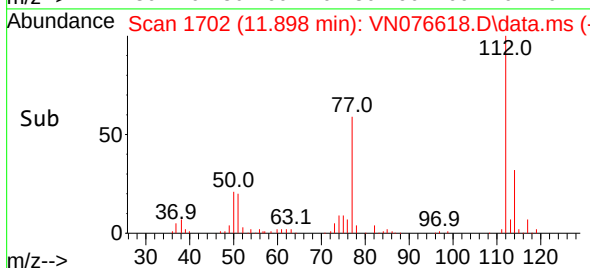
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023

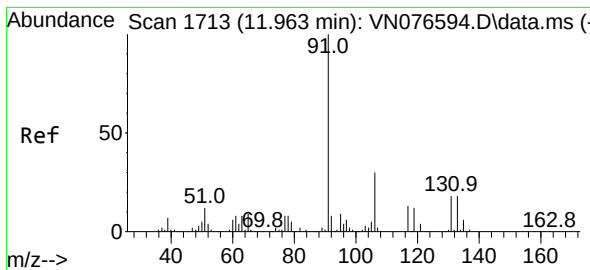


#64
Chlorobenzene
Concen: 19.248 ug/l
RT: 11.898 min Scan# 1702
Delta R.T. 0.004 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45



Tgt Ion:112 Resp: 182418
Ion Ratio Lower Upper
112 100
114 31.5 24.7 37.1





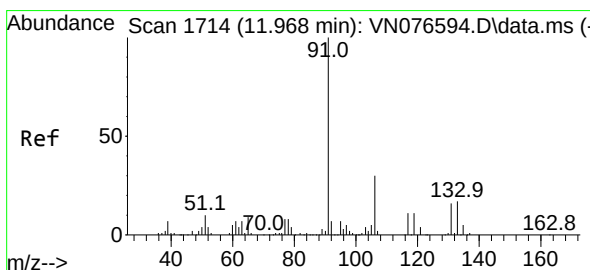
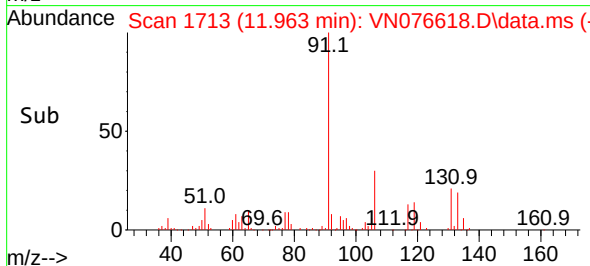
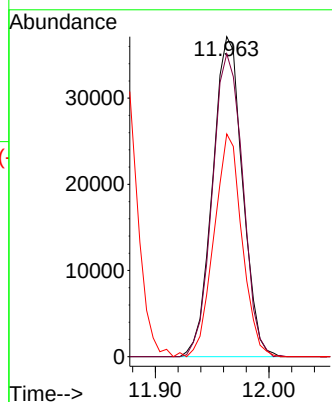
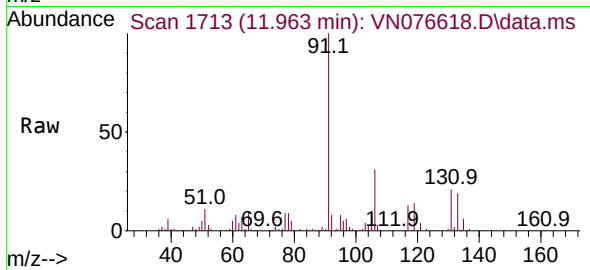
#65
1,1,1,2-Tetrachloroethane
Concen: 18.944 ug/l
RT: 11.963 min Scan# 1713
Delta R.T. -0.002 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:131 Resp: 68064
Ion Ratio Lower Upper
131 100
133 96.0 0.0 191.8
119 64.9 0.0 135.8

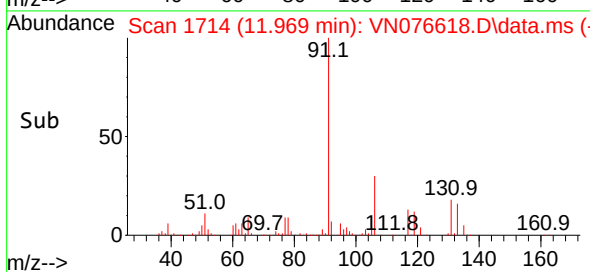
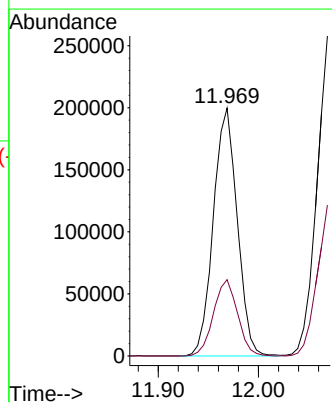
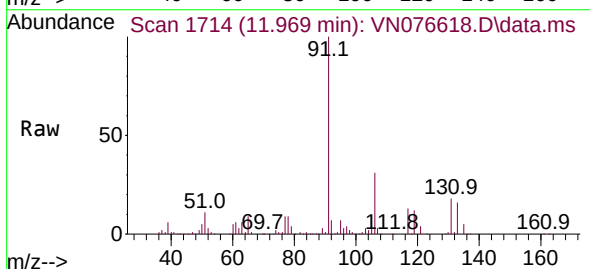
Manual Integrations
APPROVED

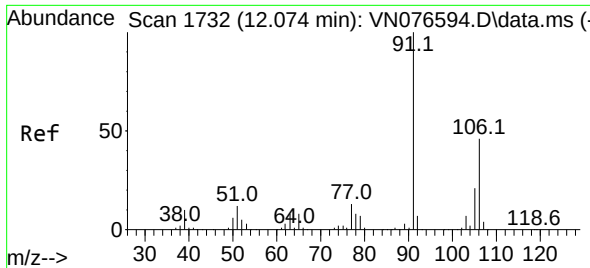
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#66
Ethyl Benzene
Concen: 18.440 ug/l
RT: 11.969 min Scan# 1714
Delta R.T. 0.004 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

Tgt Ion: 91 Resp: 330735
Ion Ratio Lower Upper
91 100
106 30.8 24.1 36.1





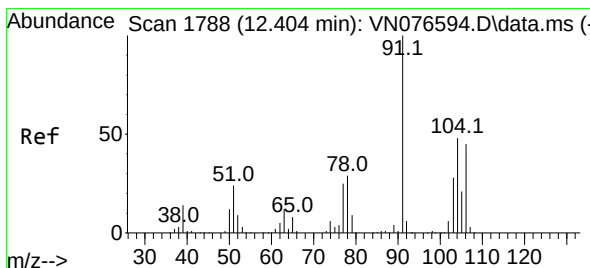
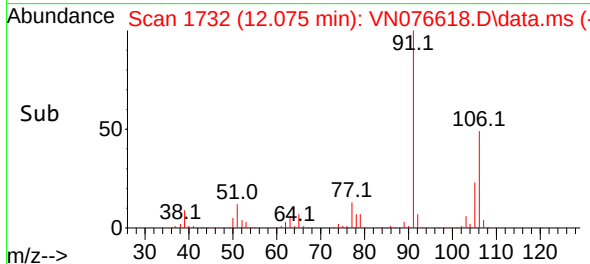
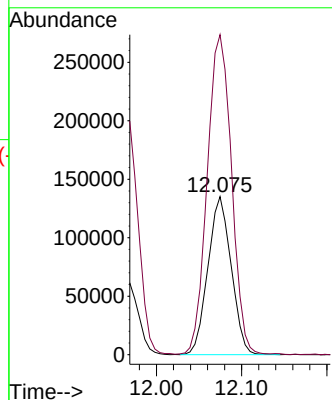
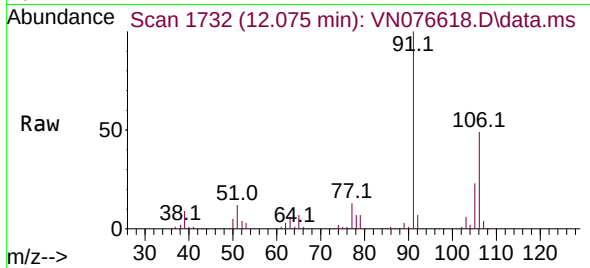
#67
m/p-Xylenes
Concen: 38.110 ug/l
RT: 12.075 min Scan# 1732
Delta R.T. -0.001 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:106 Resp: 256454
Ion Ratio Lower Upper
106 100
91 211.9 164.2 246.4

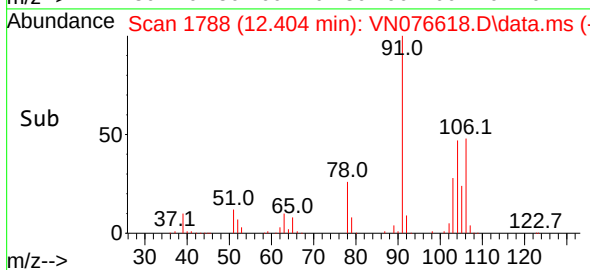
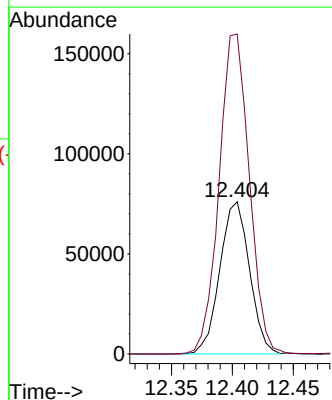
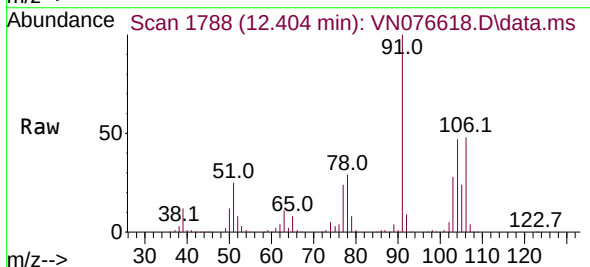
Manual Integrations
APPROVED

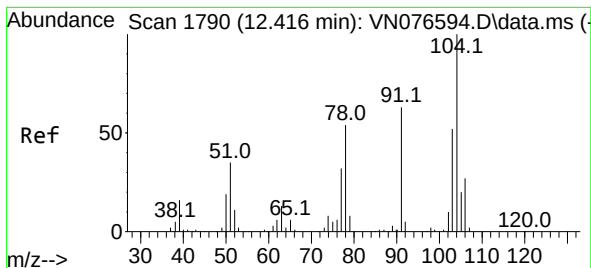
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#68
o-Xylene
Concen: 19.472 ug/l
RT: 12.404 min Scan# 1788
Delta R.T. 0.004 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

Tgt Ion:106 Resp: 129090
Ion Ratio Lower Upper
106 100
91 213.7 108.5 325.5





#69

Styrene

Concen: 19.841 ug/l

RT: 12.416 min Scan# 1790

Delta R.T. 0.004 min

Lab File: VN076618.D

Acq: 10 Feb 2023 18:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

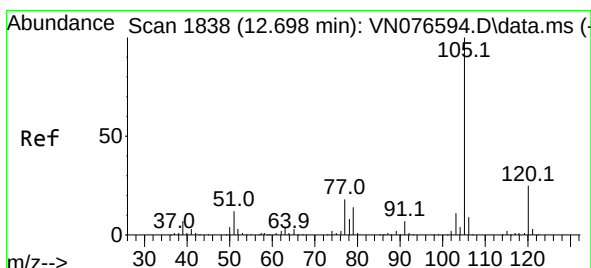
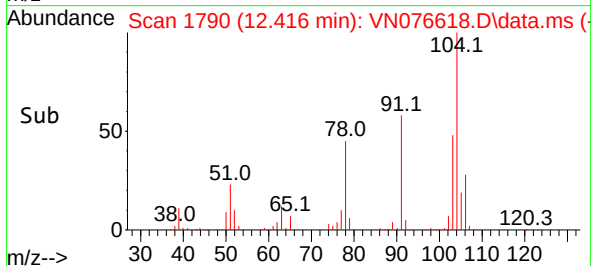
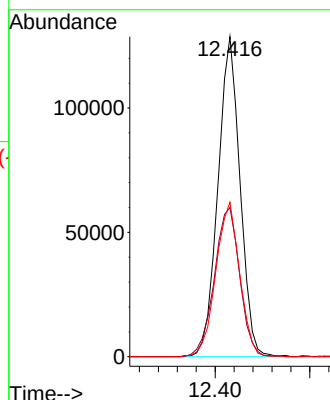
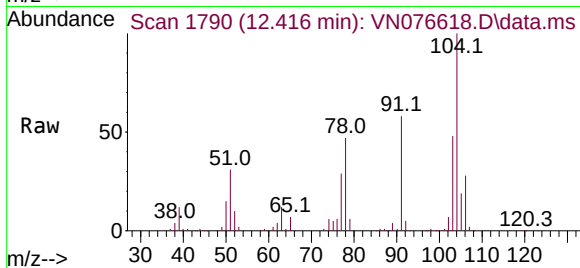
Tgt Ion:104 Resp: 208790
 Ion Ratio Lower Upper
 104 100
 78 53.4 39.9 59.9
 103 51.9 43.8 65.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/13/2023

Supervised By :Mahesh Dadoda 02/13/2023



#70

Isopropylbenzene

Concen: 18.473 ug/l

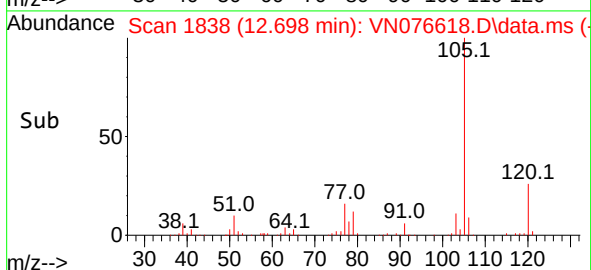
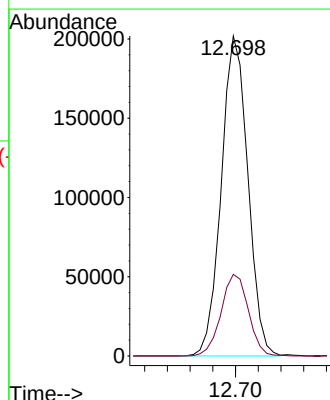
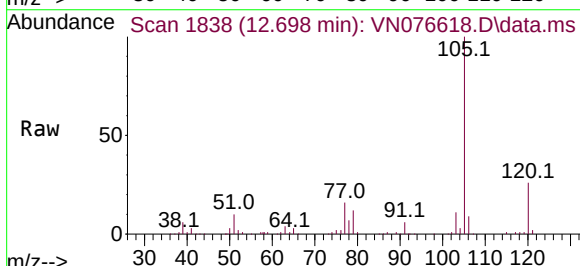
RT: 12.698 min Scan# 1838

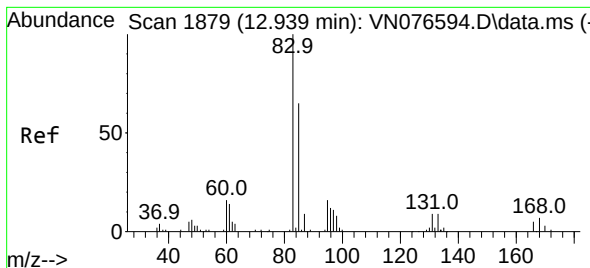
Delta R.T. -0.002 min

Lab File: VN076618.D

Acq: 10 Feb 2023 18:45

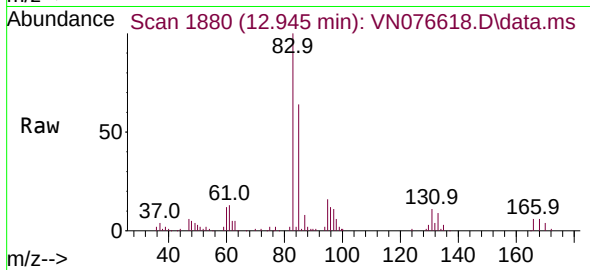
Tgt Ion:105 Resp: 328201
 Ion Ratio Lower Upper
 105 100
 120 26.1 18.5 34.3





#71
1,1,2,2-Tetrachloroethane
Concen: 17.330 ug/l
RT: 12.945 min Scan# 1879
Delta R.T. 0.004 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

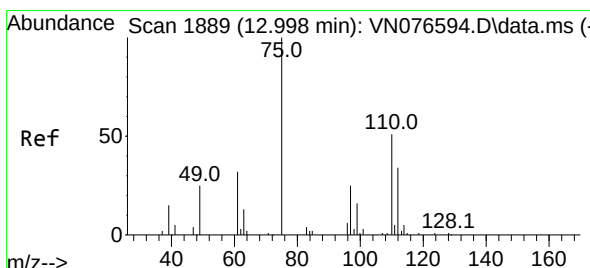
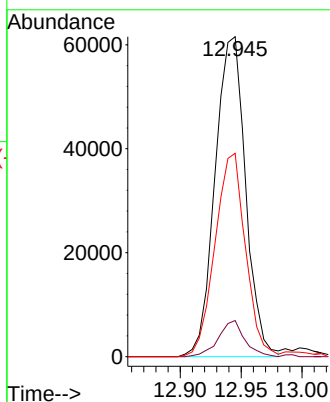
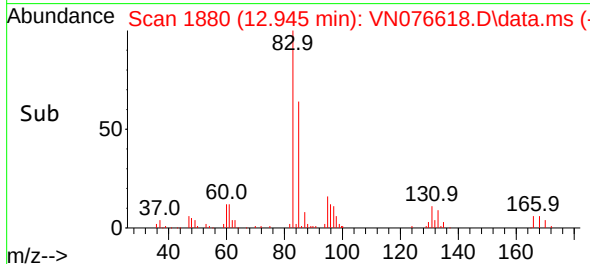
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 83 Resp: 107340
Ion Ratio Lower Upper
83 100
131 9.8 4.5 13.5
85 63.4 30.9 92.7

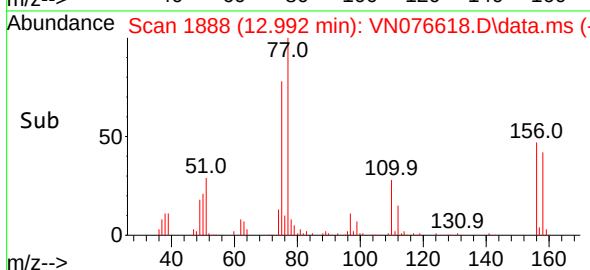
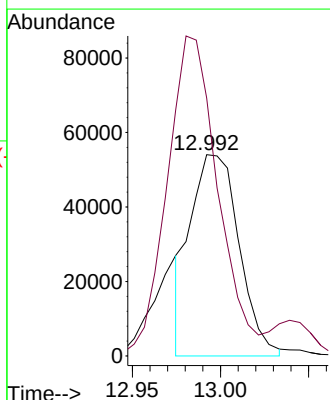
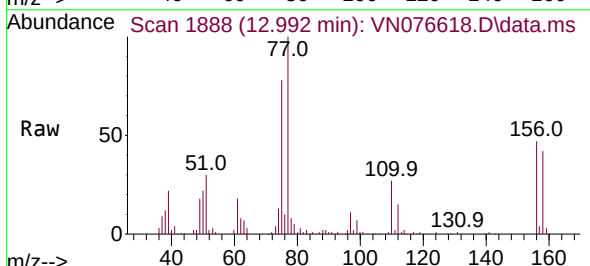
Manual Integrations
APPROVED

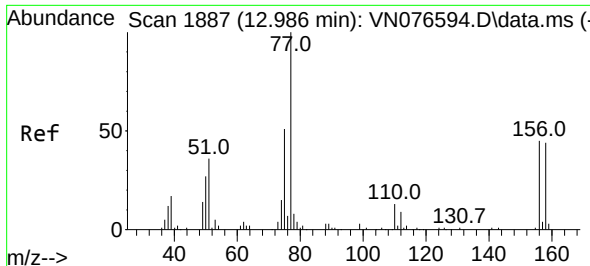
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#72
1,2,3-Trichloropropane
Concen: 18.278 ug/l m
RT: 12.992 min Scan# 1888
Delta R.T. -0.002 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

Tgt Ion: 75 Resp: 103403
Ion Ratio Lower Upper
75 100
77 166.4 0.0 372.4





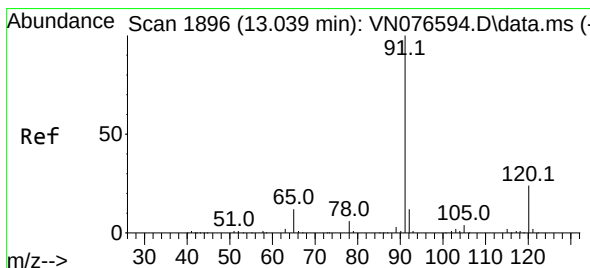
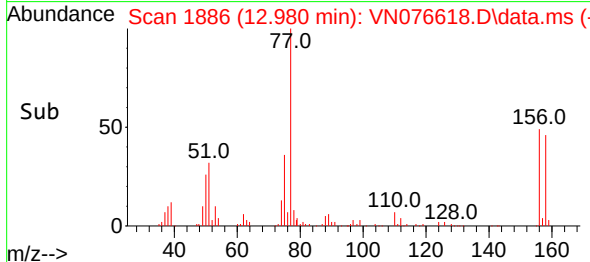
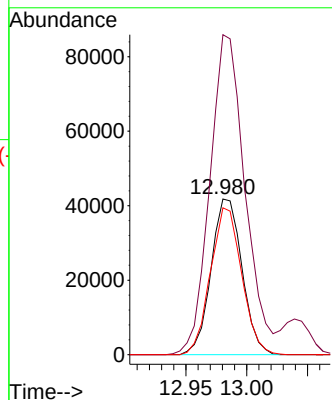
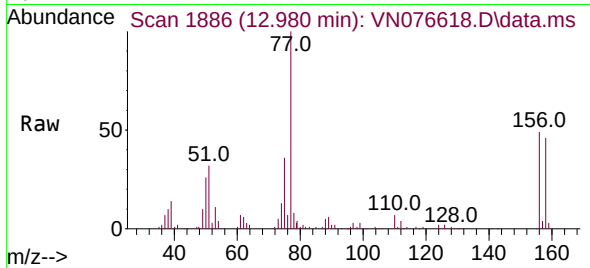
#73
Bromobenzene
Concen: 17.522 ug/l
RT: 12.980 min Scan# 1886
Delta R.T. -0.002 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:156 Resp: 7386
Ion Ratio Lower Upper
156 100
77 232.9 0.0 491.8
158 95.4 0.0 185.0

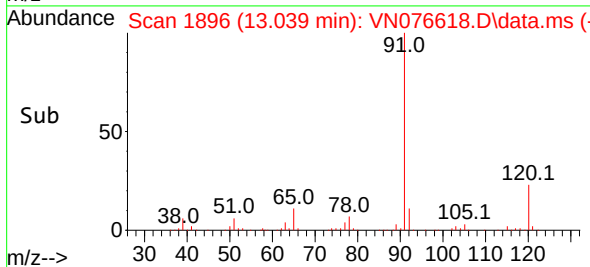
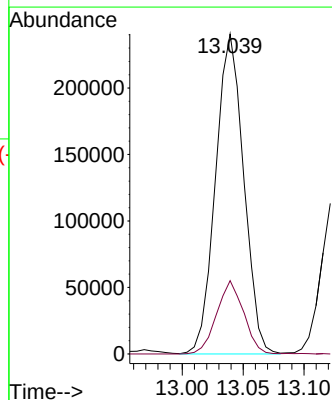
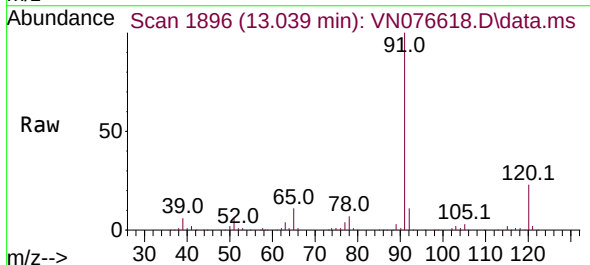
Manual Integrations
APPROVED

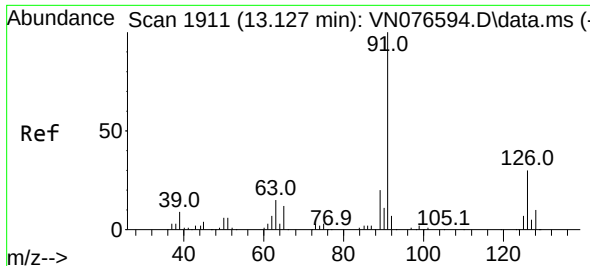
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#74
n-propylbenzene
Concen: 16.986 ug/l
RT: 13.039 min Scan# 1896
Delta R.T. -0.002 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

Tgt Ion: 91 Resp: 387054
Ion Ratio Lower Upper
91 100
120 21.9 0.0 44.6





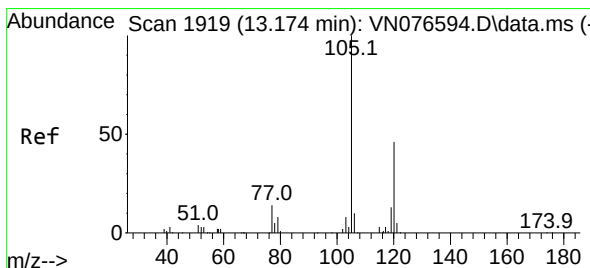
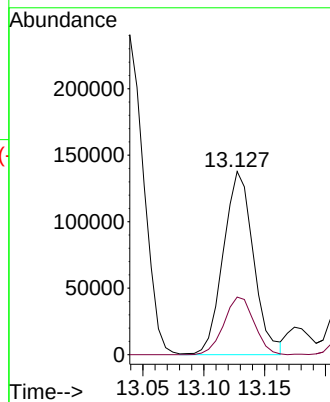
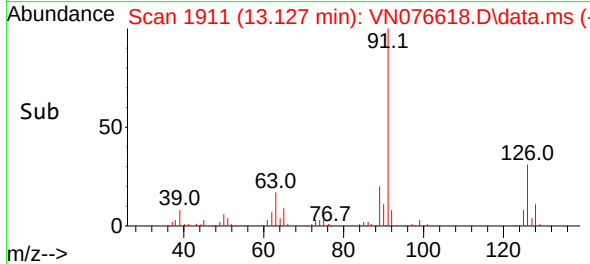
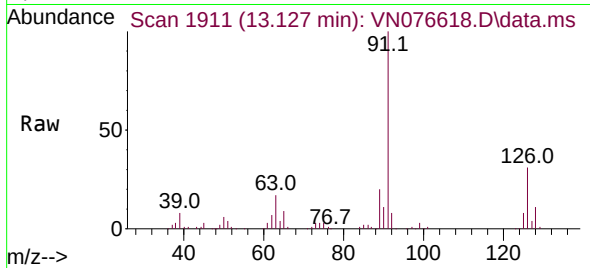
#75
2-Chlorotoluene
Concen: 16.646 ug/l
RT: 13.127 min Scan# 1911
Delta R.T. -0.002 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 91 Resp: 238592
Ion Ratio Lower Upper
91 100
126 31.4 0.0 66.2

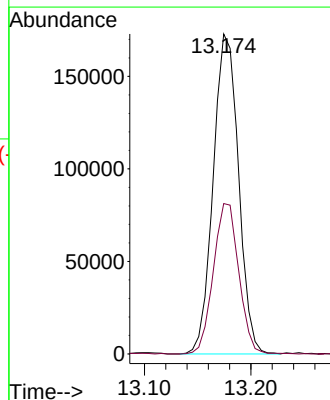
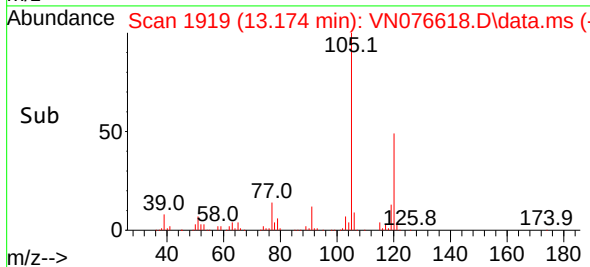
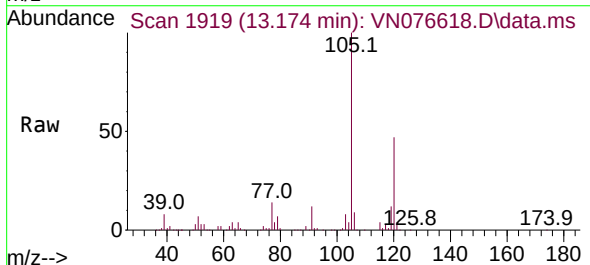
Manual Integrations
APPROVED

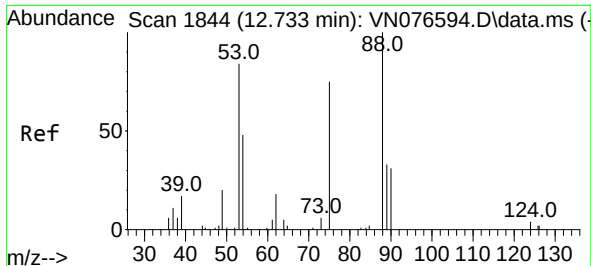
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#76
1,3,5-Trimethylbenzene
Concen: 17.175 ug/l
RT: 13.174 min Scan# 1919
Delta R.T. -0.002 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

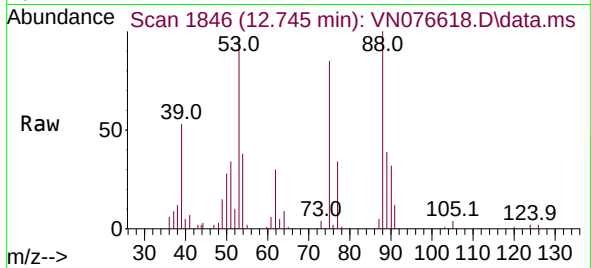
Tgt Ion:105 Resp: 284944
Ion Ratio Lower Upper
105 100
120 47.2 0.0 97.4





#77
t-1,4-Dichloro-2-butene
Concen: 16.599 ug/l
RT: 12.745 min Scan# 1846
Delta R.T. 0.010 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

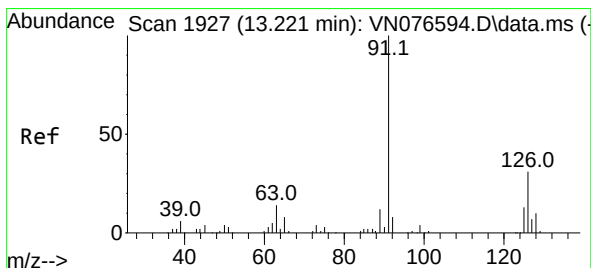
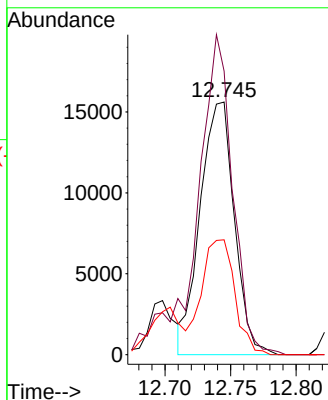
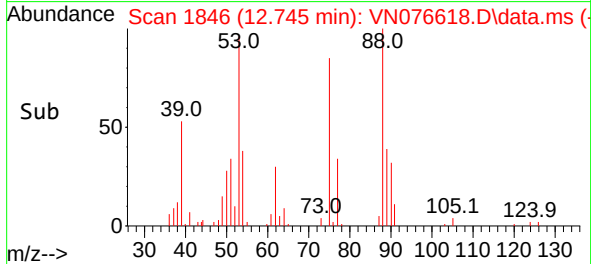
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 75 Resp: 28324
Ion Ratio Lower Upper
75 100
53 111.0 43.3 129.9
89 45.5 21.1 63.1

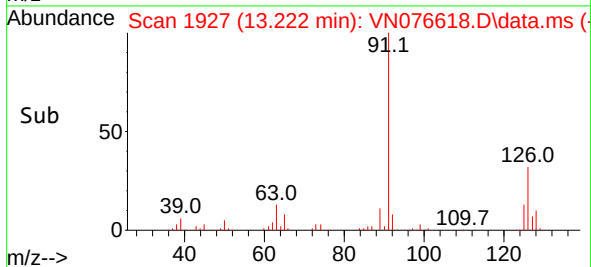
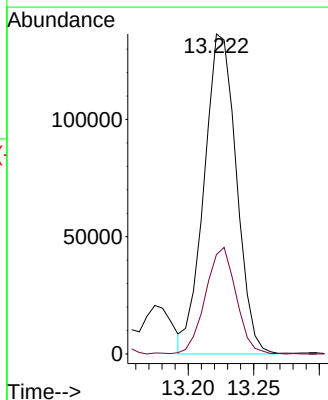
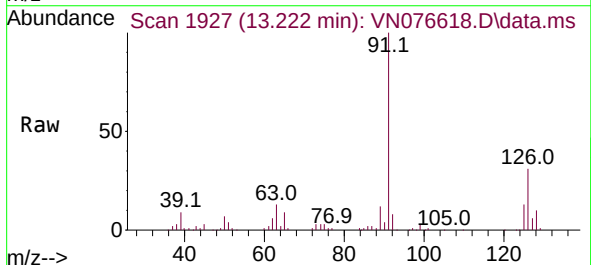
Manual Integrations
APPROVED

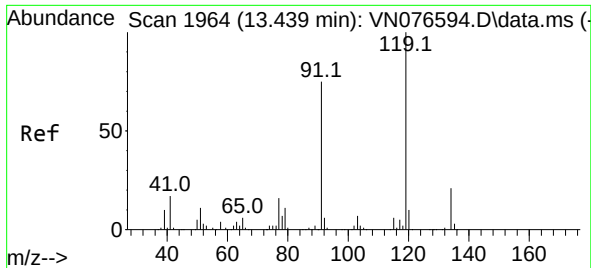
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#78
4-Chlorotoluene
Concen: 16.238 ug/l
RT: 13.222 min Scan# 1927
Delta R.T. -0.001 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

Tgt Ion: 91 Resp: 234032
Ion Ratio Lower Upper
91 100
126 31.5 0.0 67.8





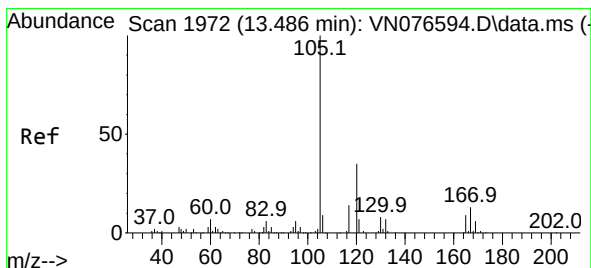
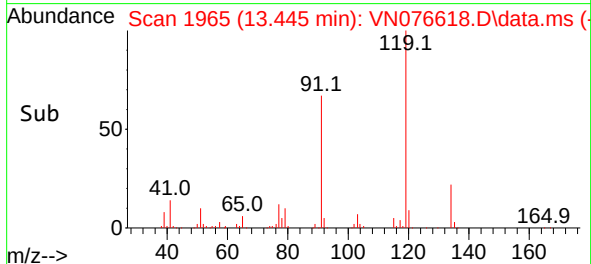
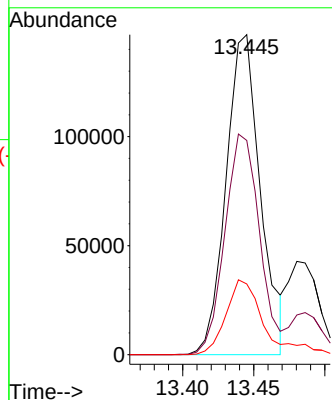
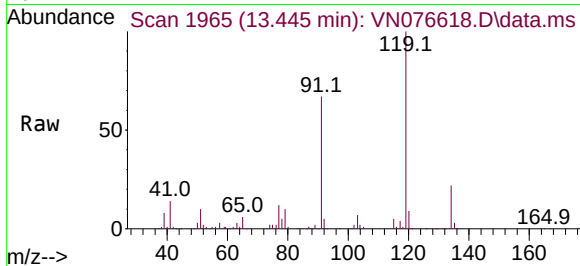
#79
tert-butylbenzene
Concen: 17.561 ug/l
RT: 13.445 min Scan# 1965
Delta R.T. 0.004 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:119 Resp: 24729
Ion Ratio Lower Upper
119 100
91 69.5 0.0 129.0
134 25.7 0.0 52.2

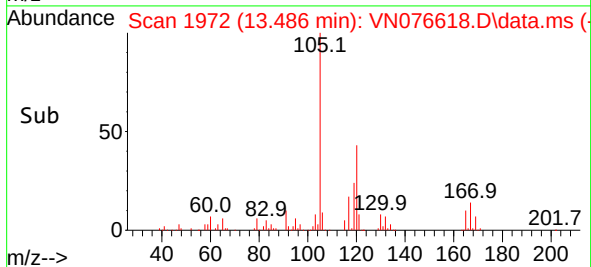
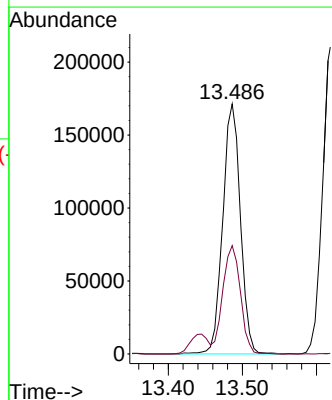
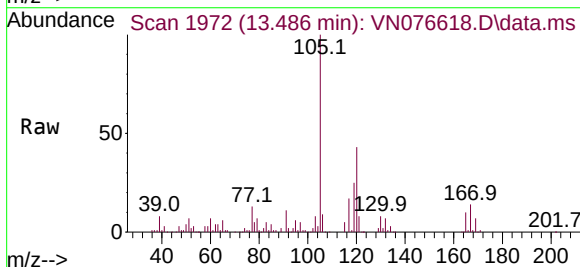
Manual Integrations
APPROVED

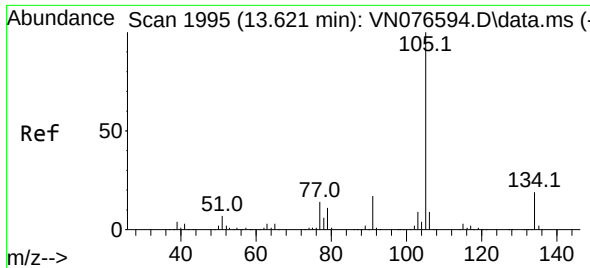
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#80
1,2,4-Trimethylbenzene
Concen: 17.339 ug/l
RT: 13.486 min Scan# 1972
Delta R.T. 0.004 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

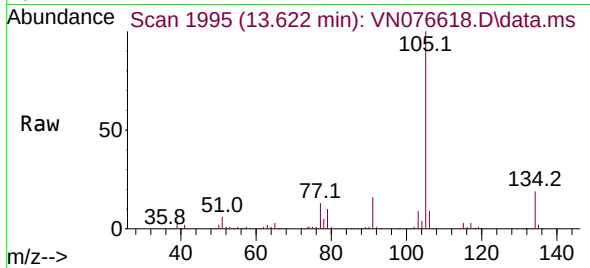
Tgt Ion:105 Resp: 283683
Ion Ratio Lower Upper
105 100
120 43.3 0.0 93.2





#81
 sec-Butylbenzene
 Concen: 17.422 ug/l
 RT: 13.622 min Scan# 1995
 Delta R.T. 0.004 min
 Lab File: VN076618.D
 Acq: 10 Feb 2023 18:45

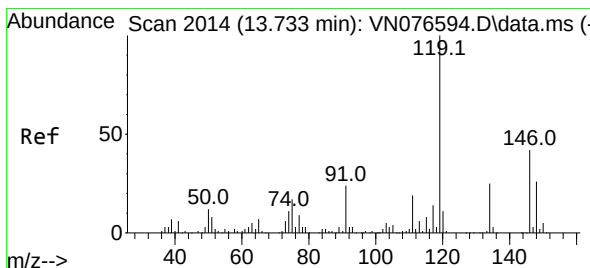
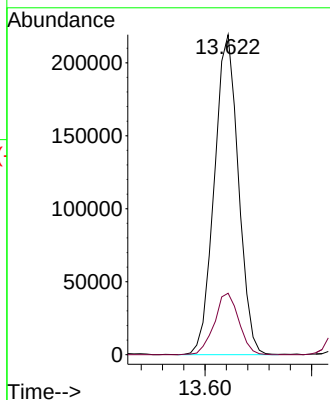
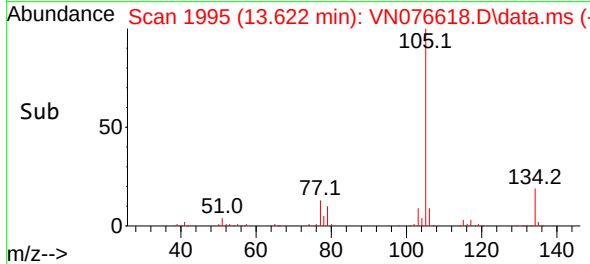
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



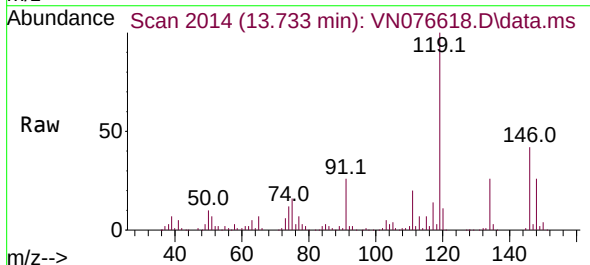
Tgt Ion:105 Resp: 343536
 Ion Ratio Lower Upper
 105 100
 134 19.5 0.0 38.8

Manual Integrations
 APPROVED

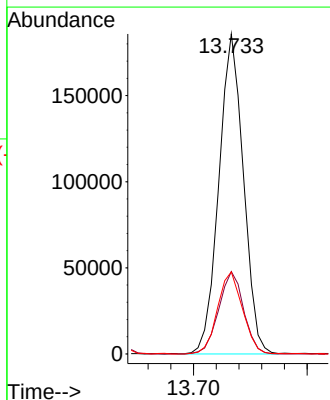
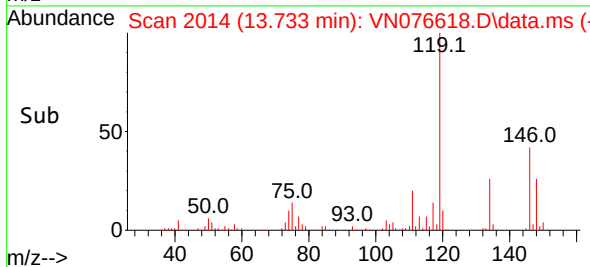
Reviewed By :John Carlone 02/13/2023
 Supervised By :Mahesh Dadoda 02/13/2023

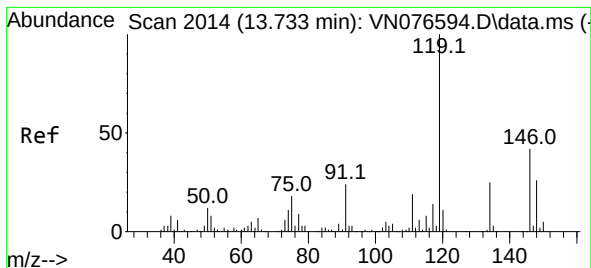


#82
 p-Isopropyltoluene
 Concen: 17.613 ug/l
 RT: 13.733 min Scan# 2014
 Delta R.T. 0.004 min
 Lab File: VN076618.D
 Acq: 10 Feb 2023 18:45



Tgt Ion:119 Resp: 279056
 Ion Ratio Lower Upper
 119 100
 134 26.1 0.0 51.4
 91 26.1 0.0 46.8





#83

1,3-Dichlorobenzene

Concen: 17.290 ug/l

RT: 13.739 min Scan# 2014

Delta R.T. 0.004 min

Lab File: VN076618.D

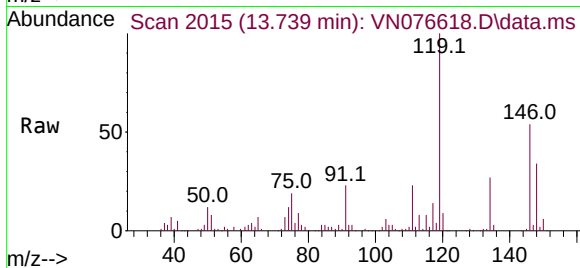
Acq: 10 Feb 2023 18:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC



Tgt Ion:146 Resp: 134818

Ion Ratio Lower Upper

146 100

111 46.1 20.5 61.5

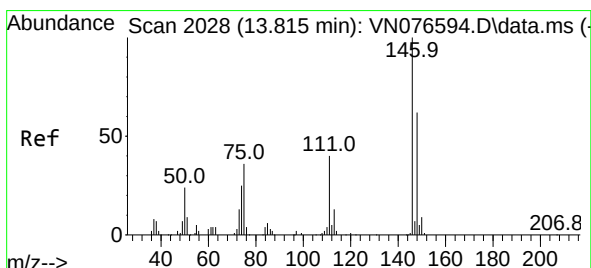
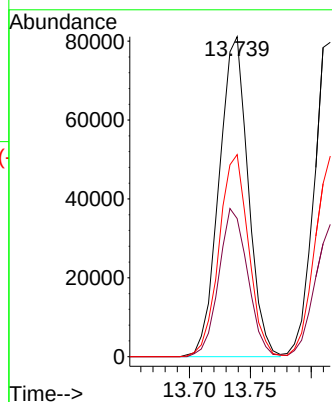
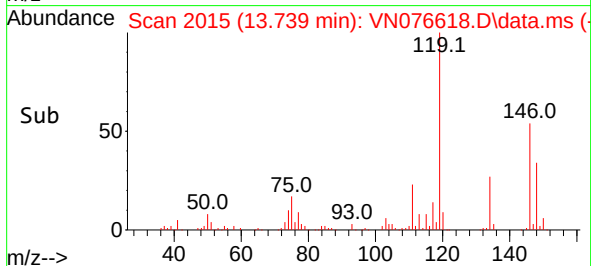
148 63.9 31.0 93.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/13/2023

Supervised By :Mahesh Dadoda 02/13/2023



#84

1,4-Dichlorobenzene

Concen: 17.636 ug/l

RT: 13.816 min Scan# 2028

Delta R.T. 0.004 min

Lab File: VN076618.D

Acq: 10 Feb 2023 18:45

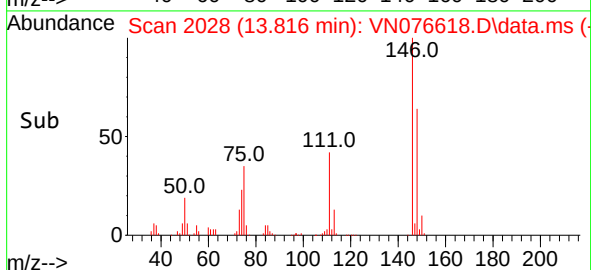
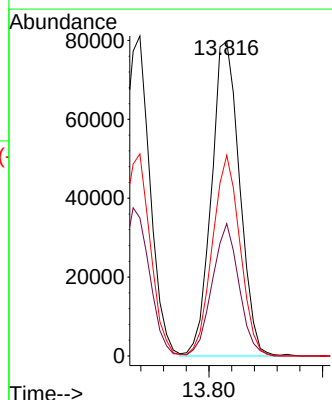
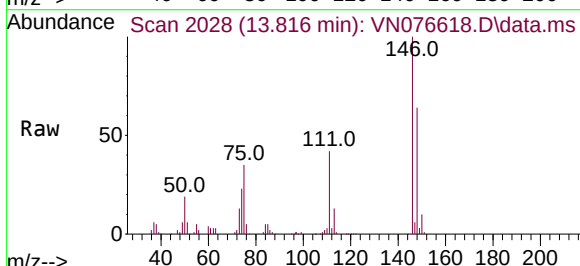
Tgt Ion:146 Resp: 137197

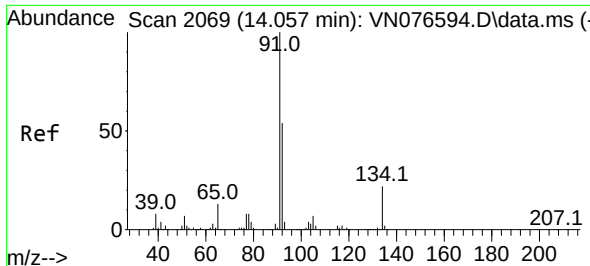
Ion Ratio Lower Upper

146 100

111 40.0 19.1 57.5

148 62.6 31.7 95.1





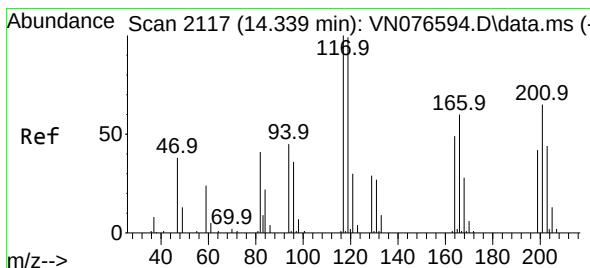
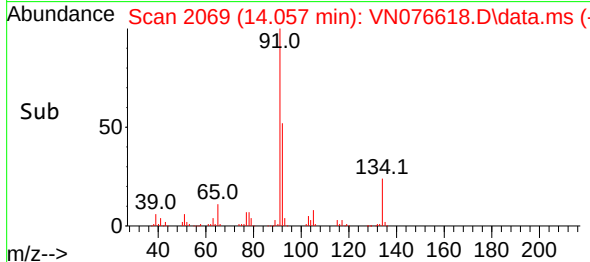
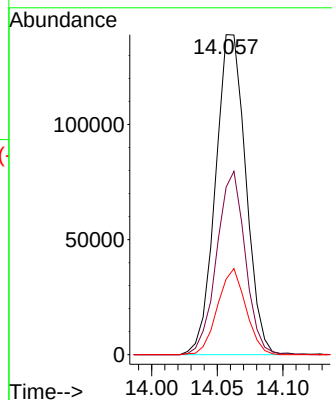
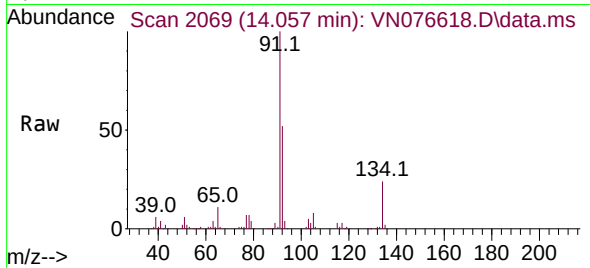
#85
n-Butylbenzene
Concen: 15.190 ug/l
RT: 14.057 min Scan# 2069
Delta R.T. -0.002 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 91 Resp: 223480
Ion Ratio Lower Upper
91 100
92 54.1 0.0 105.4
134 25.1 0.0 46.4

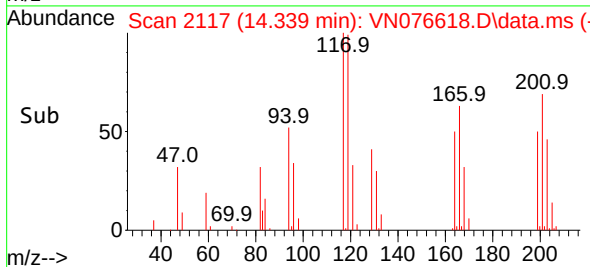
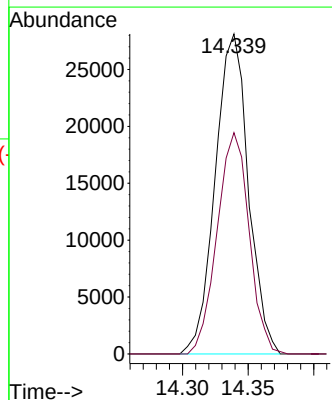
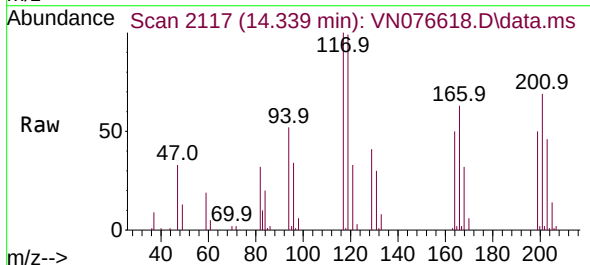
Manual Integrations
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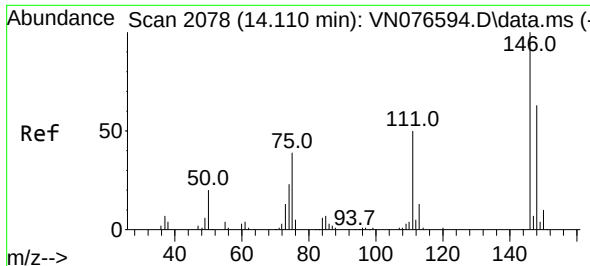
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#86
Hexachloroethane
Concen: 16.090 ug/l
RT: 14.339 min Scan# 2117
Delta R.T. 0.010 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

Tgt Ion:117 Resp: 49497
Ion Ratio Lower Upper
117 100
201 66.6 29.4 88.3





#87

1,2-Dichlorobenzene

Concen: 16.297 ug/l

RT: 14.110 min Scan# 2078

Delta R.T. 0.004 min

Lab File: VN076618.D

Acq: 10 Feb 2023 18:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion:146 Resp: 13949

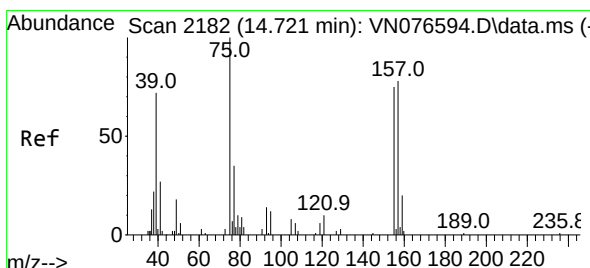
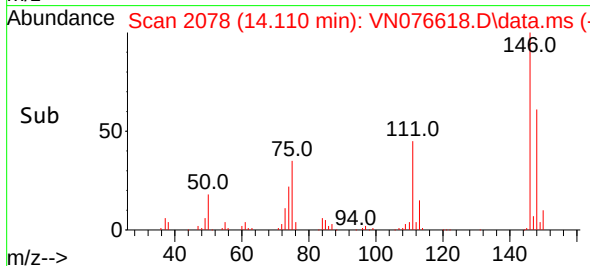
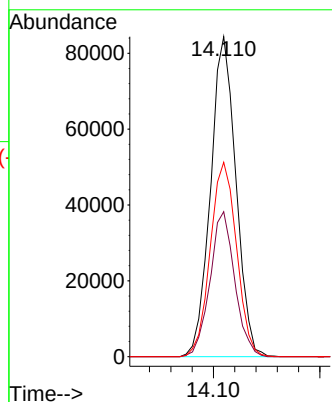
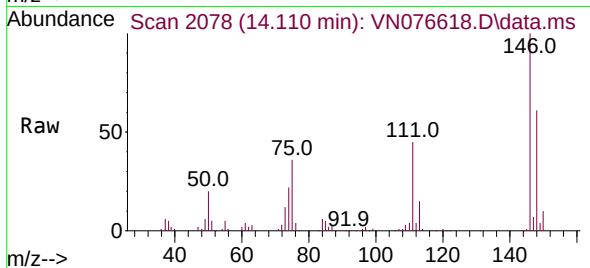
Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.4	64.2
148	62.9	30.6	92.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/13/2023

Supervised By :Mahesh Dadoda 02/13/2023



#88

1,2-Dibromo-3-Chloropropane

Concen: 18.190 ug/l

RT: 14.721 min Scan# 2182

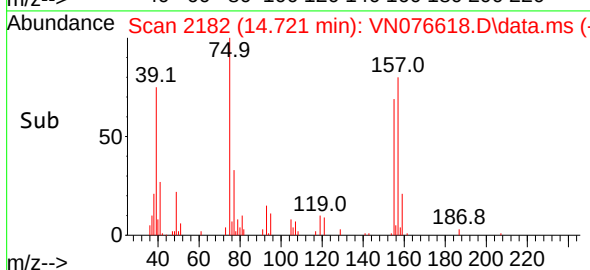
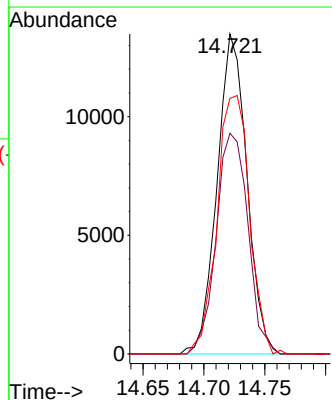
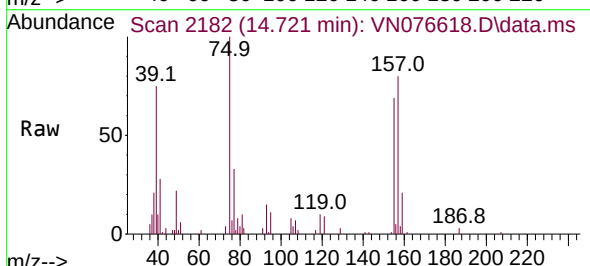
Delta R.T. 0.004 min

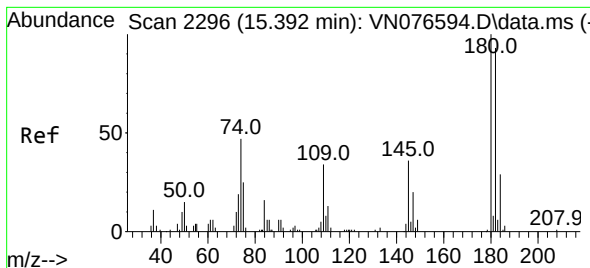
Lab File: VN076618.D

Acq: 10 Feb 2023 18:45

Tgt Ion: 75 Resp: 22966

Ion	Ratio	Lower	Upper
75	100		
155	73.5	66.3	99.5
157	87.7	84.3	126.5





#89

1,2,4-Trichlorobenzene

Concen: 19.529 ug/l

RT: 15.398 min Scan# 2296

Delta R.T. 0.004 min

Lab File: VN076618.D

Acq: 10 Feb 2023 18:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

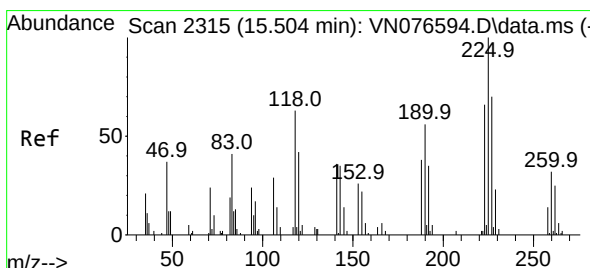
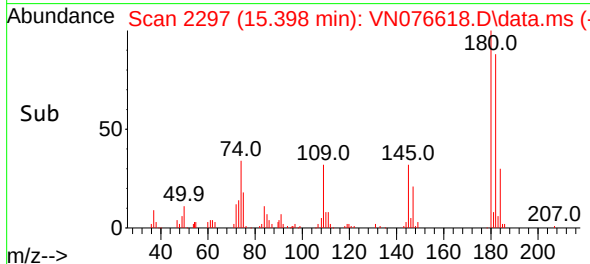
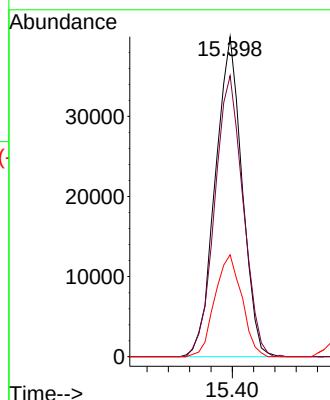
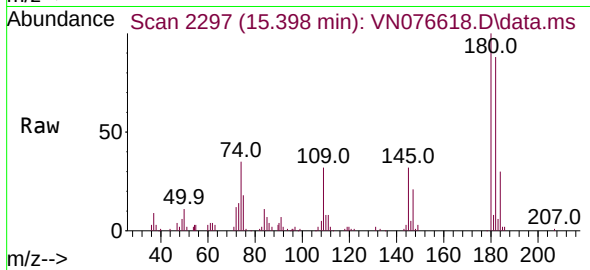
Tgt Ion:	180	Resp:	6971
Ion Ratio	Lower	Upper	
180	100		
182	92.4	74.9	112.3
145	32.0	26.3	39.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/13/2023

Supervised By :Mahesh Dadoda 02/13/2023



#90

Hexachlorobutadiene

Concen: 19.698 ug/l

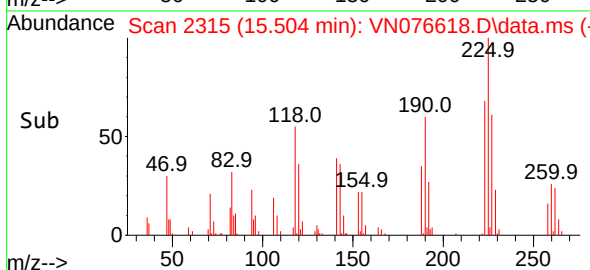
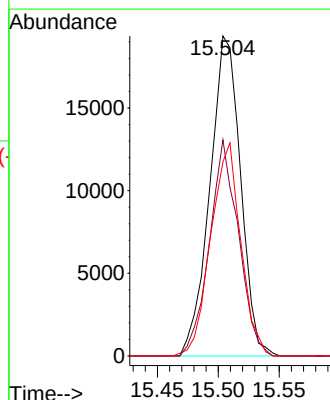
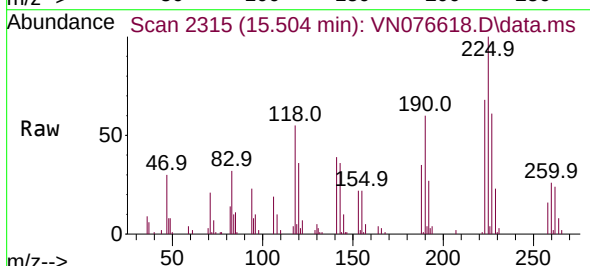
RT: 15.504 min Scan# 2315

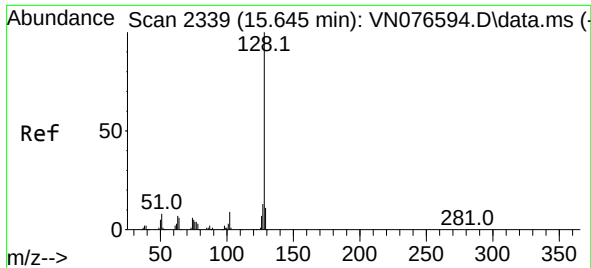
Delta R.T. 0.004 min

Lab File: VN076618.D

Acq: 10 Feb 2023 18:45

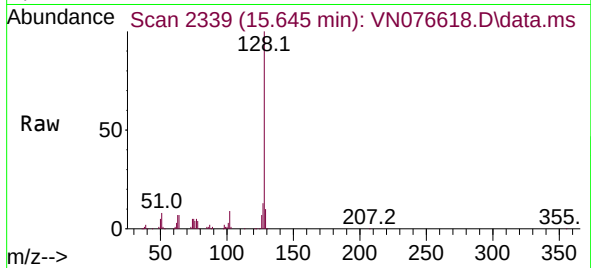
Tgt Ion:	225	Resp:	33970
Ion Ratio	Lower	Upper	
225	100		
223	63.9	0.0	125.0
227	64.9	0.0	123.0





#91
Naphthalene
Concen: 19.501 ug/l
RT: 15.645 min Scan# 2339
Delta R.T. 0.004 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45

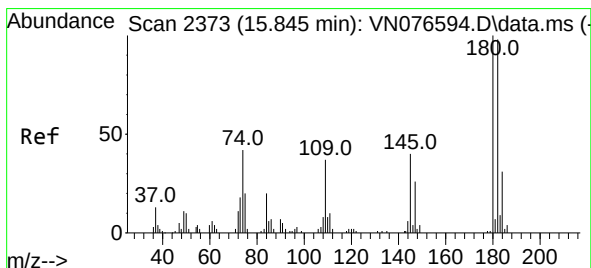
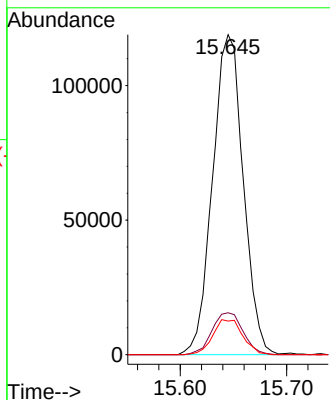
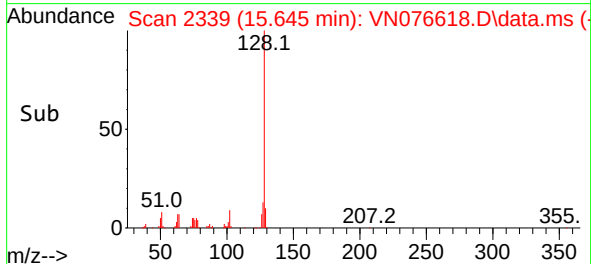
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



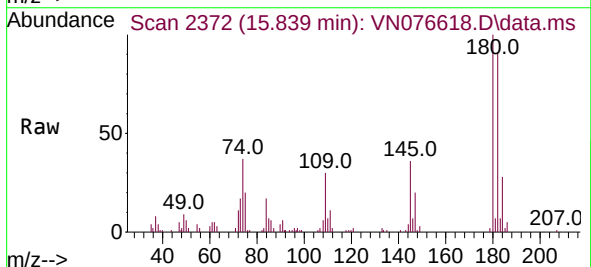
Tgt Ion:128 Resp: 237510
Ion Ratio Lower Upper
128 100
127 13.3 10.7 16.1
129 10.7 8.9 13.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#92
1,2,3-Trichlorobenzene
Concen: 19.944 ug/l
RT: 15.839 min Scan# 2372
Delta R.T. -0.002 min
Lab File: VN076618.D
Acq: 10 Feb 2023 18:45



Tgt Ion:180 Resp: 71060
Ion Ratio Lower Upper
180 100
182 93.7 0.0 185.4
145 34.9 0.0 68.6

